

MONTE LIRIO PROJECT

BY JAIME MASSOT

FEBRUARY 1988

UNITED STATES GOVERNMENT
memorandum

DATE: November 27, 1987
 REPLY TO
 ATTN OF: ECEH
 SUBJECT: Establishment of Capital Construction Projects in FY 1988
 TO: ECXB
 Thru: ECEG Budget

1. The Meteorological and Hydrographic Branch has just completed the construction of a rainfall station building at San Miguel. This station was moved in the annual capital program because of recurring vandalism at the site.

2. At this time we have similar problems at two other sites: Cascadas and Monte Lirio. Monte Lirio is scheduled for building replacement in FY 1990 (\$31K). We feel that it would be most advantages to construct both Monte Lirio and Cascadas this fiscal year if funds can be made available. Three of these building have been constructed in the last two years and construction now would result in the following benefits:

Highly Experienced, available work crew
 Known bill of materials
 Known construction schedule
 Known transportation costs
 Known construction costs
 Several years of decreased vandalism

WBS
 TAB

3. Estimated costs for each site are:

	<u>Monte Lirio</u>	<u>Cascadas</u>
Building Materials & Labor	\$10K	\$10K
Transportation	10K	5K
Fence		20K
	<u>\$20K</u>	<u>\$35K</u>

4. Approval is requested to move these projects into the FY 1988 budget. Please notify the Met and Hyd Branch of the appropriate Capital Work Request numbers so that we may begin these projects in the dry season if funds are approved.

William B. Shaw
 Chief, Chief Meteorological and Hydrographic Branch

cc:
 ECEG
 ECEH

JB:gr

CAPITAL WORK REQUEST

WORK REQUEST TITLE hab. Rainfall Station, Monte Lirio		BUDGET ITEM NUMBER AND DESCRIPTION 17-90 Improvements to Facilities E & C	FISCAL YEAR 1988
WORK REQUEST NO. 0179	REVISION NO.	<input checked="" type="checkbox"/> CONSTRUCTION <input type="checkbox"/> EQUIPMENT <input checked="" type="checkbox"/> SPECIFIC <input type="checkbox"/> BLANKET	

DESCRIPTION OF WORK OR REASON FOR REVISION

Rehabilitate Rainfall Station, Monte Lirio.

Ref.: ECEH Memo 11-27-87

Coordinator : Joe Brady Tel.: 52-7716.

12-17-87
12-21-87

	NEW OR REVISED ESTIMATES (IN WHOLE DOLLARS)			REVISION INCREASE (DECREASE)
	CARRY OVER	NEW	TOTAL	
TOTAL ESTIMATED OBLIGATIONS			20,000	
TOTAL ESTIMATED EXPENDITURES	±		20,000	
PARTICIPATING ORGANIZATIONS SHOW ESTIMATED EXPENDITURES IF A SPECIFIC WORK REQUEST.				
E & C Director (ECEH)			5,000	
Engineering Division			15,000	

JOB NUMBERS ASSIGNED BY PLANT ACCOUNTING SECTION

JOB NUMBERS	JOB DESCRIPTION	JOB NUMBERS	JOB DESCRIPTION
-001	Rainfall Station Mt. Lirio		

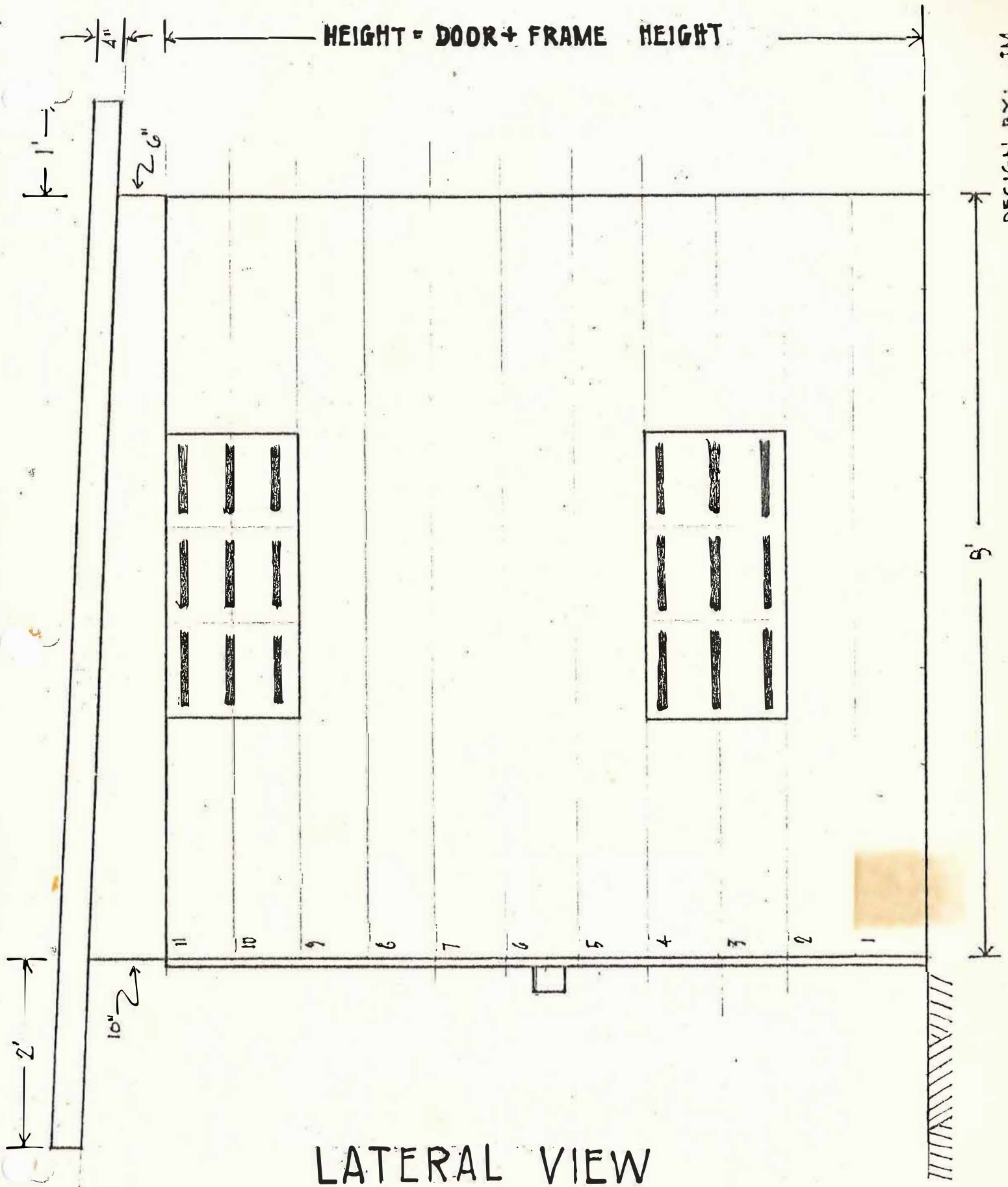
DISTRIBUTION PLANT ACCOUNTING SECTION (ORIG.) COORDINATOR OFFICE OF EXECUTIVE PLANNING BUDGET BRANCH EACH PARTICIPATING ORGANIZATION	SUBMITTED BY	TITLE	DATE
	COORDINATOR <i>John J. Plunkett</i>	TITLE E & C Director	DATE 12-11-87
	REVIEWED BY R. Lopp	PLANT ACCOUNTING SECTION	DATE 12-15-87



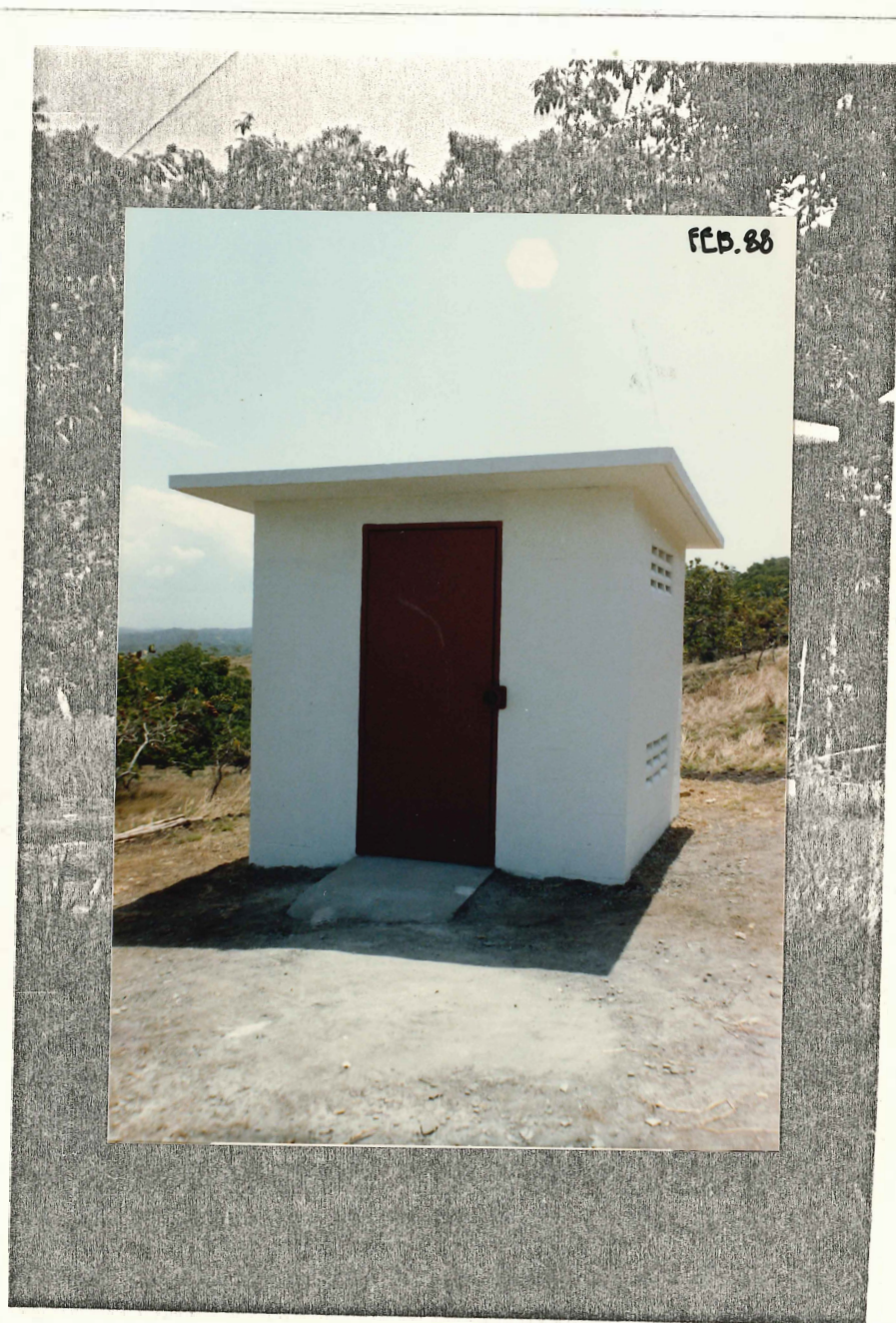
MONTE LIRIO RAINFALL STATION



DESIGN BY: JM
DATE: JAN '88



LATERAL VIEW



CONSTRUCTION PROJECT OF:

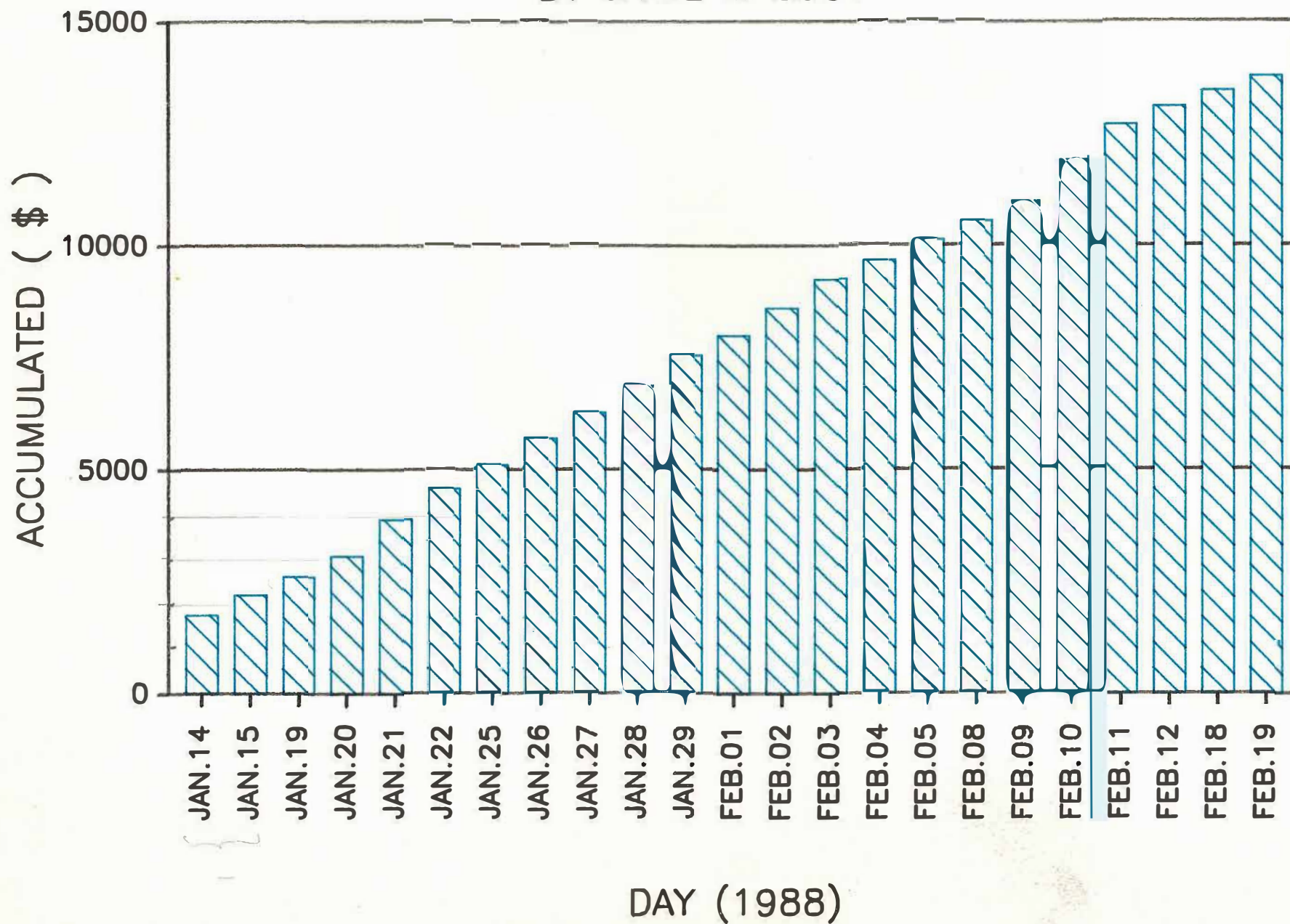
MONTE LIRIO

RAINFALL STATION.

PHOTO OF HUMEDAD RAINFALL STATION.

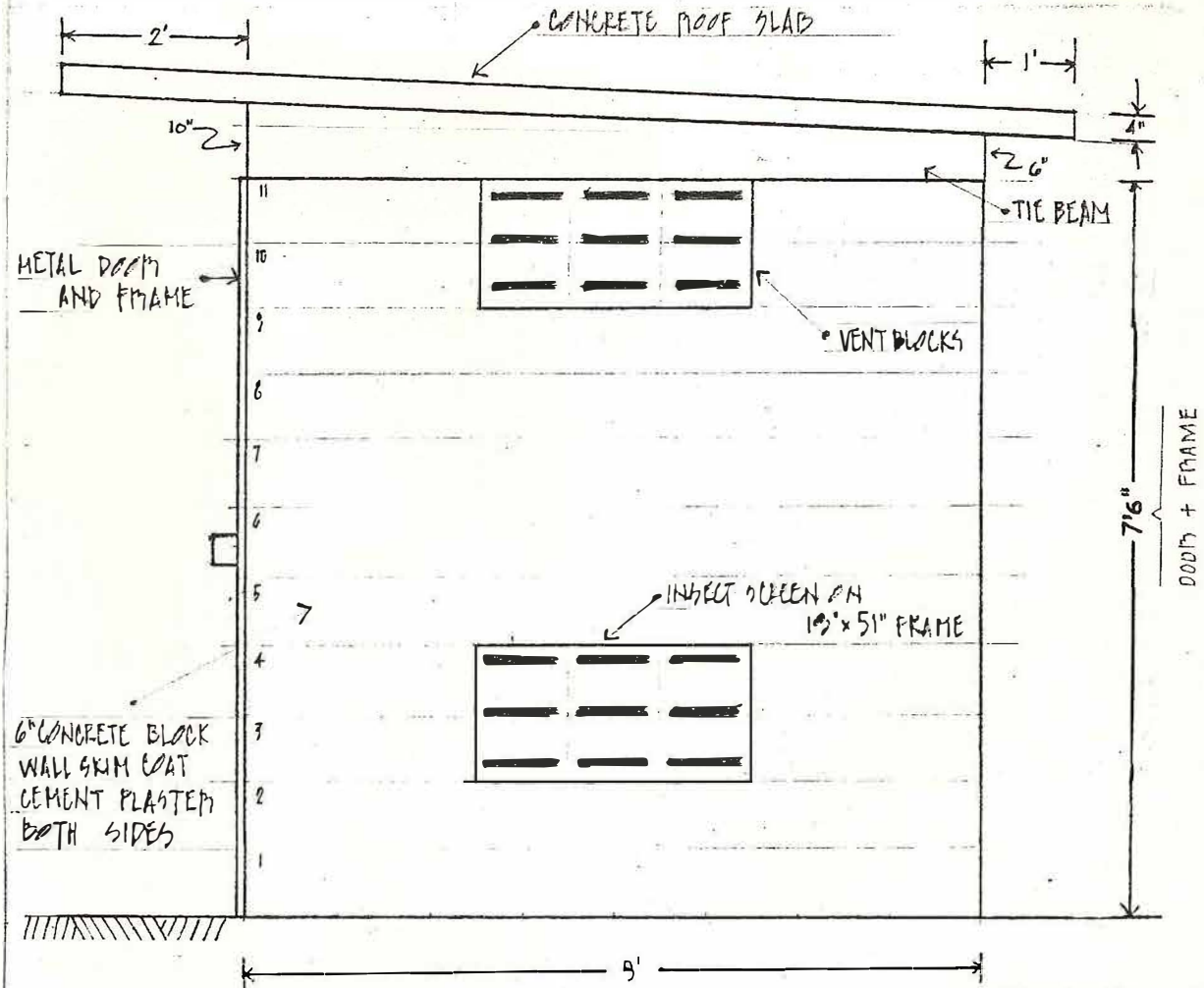
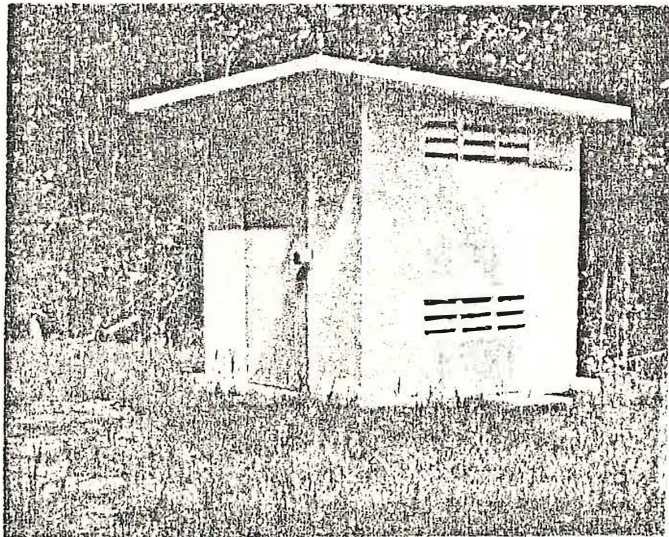
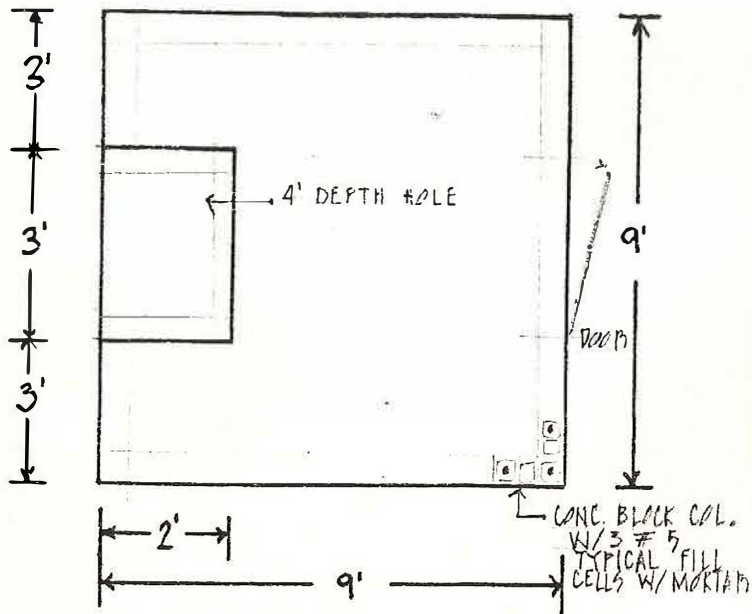
MONTE LIRIO CONSTRUCTION

BY JAIME MASSOT



rainfall station design

FLOOR PLAN

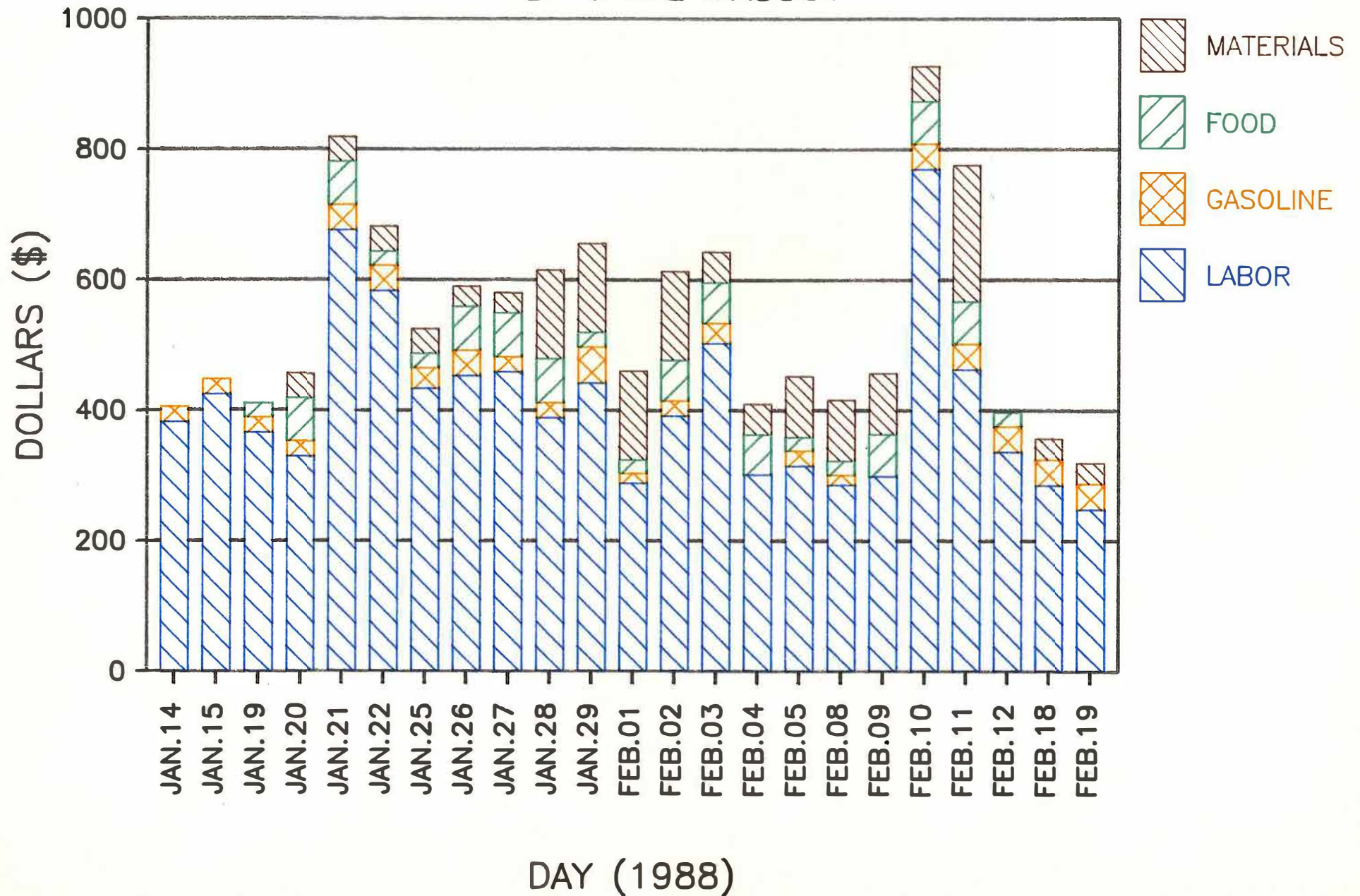


ELEVATION

DESIGN BY: JM
DATE: JAN '88

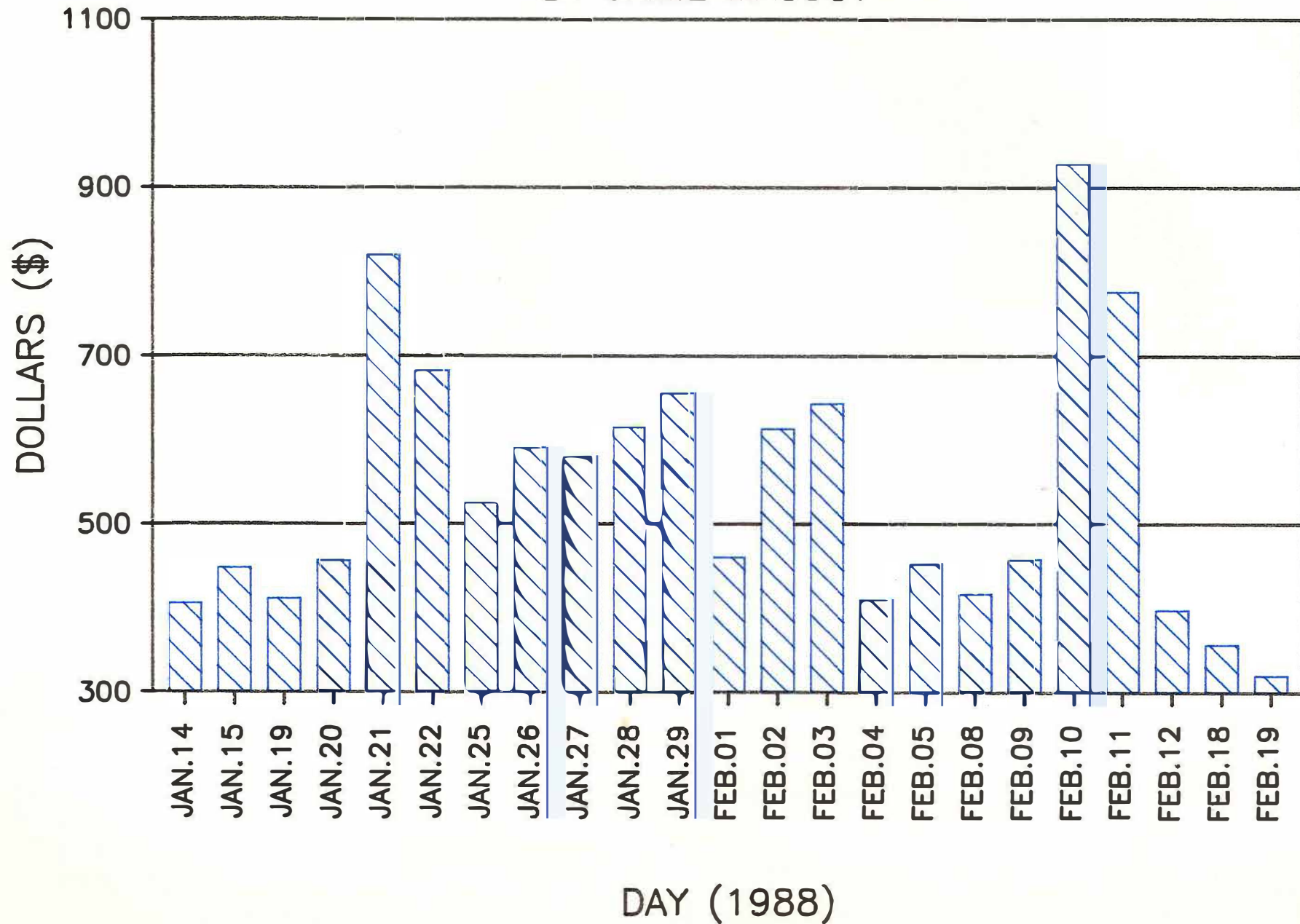
MONTE LIRIO CONSTRUCTION

BY JAIME MASSOT



MONTE LIRIO CONSTRUCTION

BY JAIME MASSOT



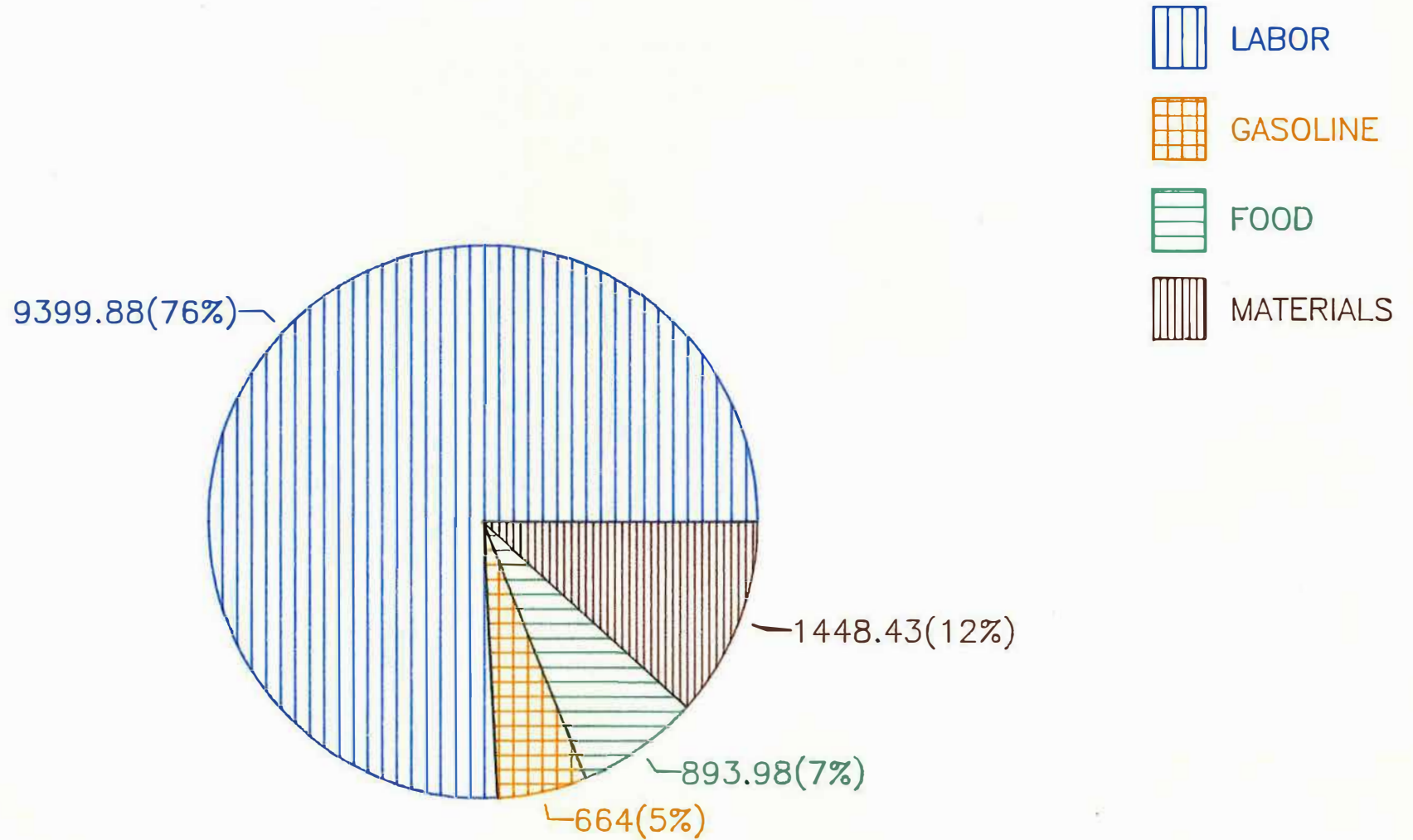
MONTE LIRIO CONSTRUCTION PROJECT

DAILY LABOR, GASOLINE, FOOD AND MATERIAL COSTS

DAY OF 1988	DAILY LABOR (\$)	GAS AT \$1.60 PER GALON	FOOD AT STATION (\$)	MATERIALS USED (\$)	TOTAL DAILY COST \$
JAN. 14	380.72	24.00	.00	.00	404.72
JAN. 15	422.88	24.00	.00	.00	446.88
JAN. 19	364.35	24.00	22.09	.00	410.44
JAN. 20	328.21	24.00	66.27	37.21	455.69
JAN. 21	675.17	40.00	66.27	37.21	818.65
JAN. 22	582.02	40.00	22.09	37.21	681.32
JAN. 25	432.64	32.00	22.55	37.21	524.40
JAN. 26	451.86	40.00	67.68	30.24	589.78
JAN. 27	457.78	24.00	67.68	30.24	579.70
JAN. 28	387.38	24.00	67.68	135.62	614.68
JAN. 29	440.98	56.00	22.55	135.62	655.15
FEB. 01	287.55	16.00	20.80	135.62	459.97
FEB. 02	390.80	24.00	62.41	135.62	612.83
FEB. 03	501.92	32.00	62.41	46.46	642.79
FEB. 04	300.64	.00	62.41	46.46	409.51
FEB. 05	314.22	24.00	20.80	92.90	451.92
FEB. 08	285.02	16.00	21.85	92.90	415.77
FEB. 09	298.11	.00	65.53	92.90	456.54
FEB. 10	768.48	40.00	65.53	53.11	927.12
FEB. 11	461.63	40.00	65.53	208.00	775.16
FEB. 12	335.50	40.00	21.85	.00	397.35
FEB. 18	284.48	40.00	.00	31.95	356.43
FEB. 19	247.60	40.00	.00	31.95	319.55
TOTALS	9399.88	664.00	893.98	1448.43	12406.29

MONTE LIRIO CONSTRUCTION

BY JAIME MASSOT



LEADER

SUPERY.

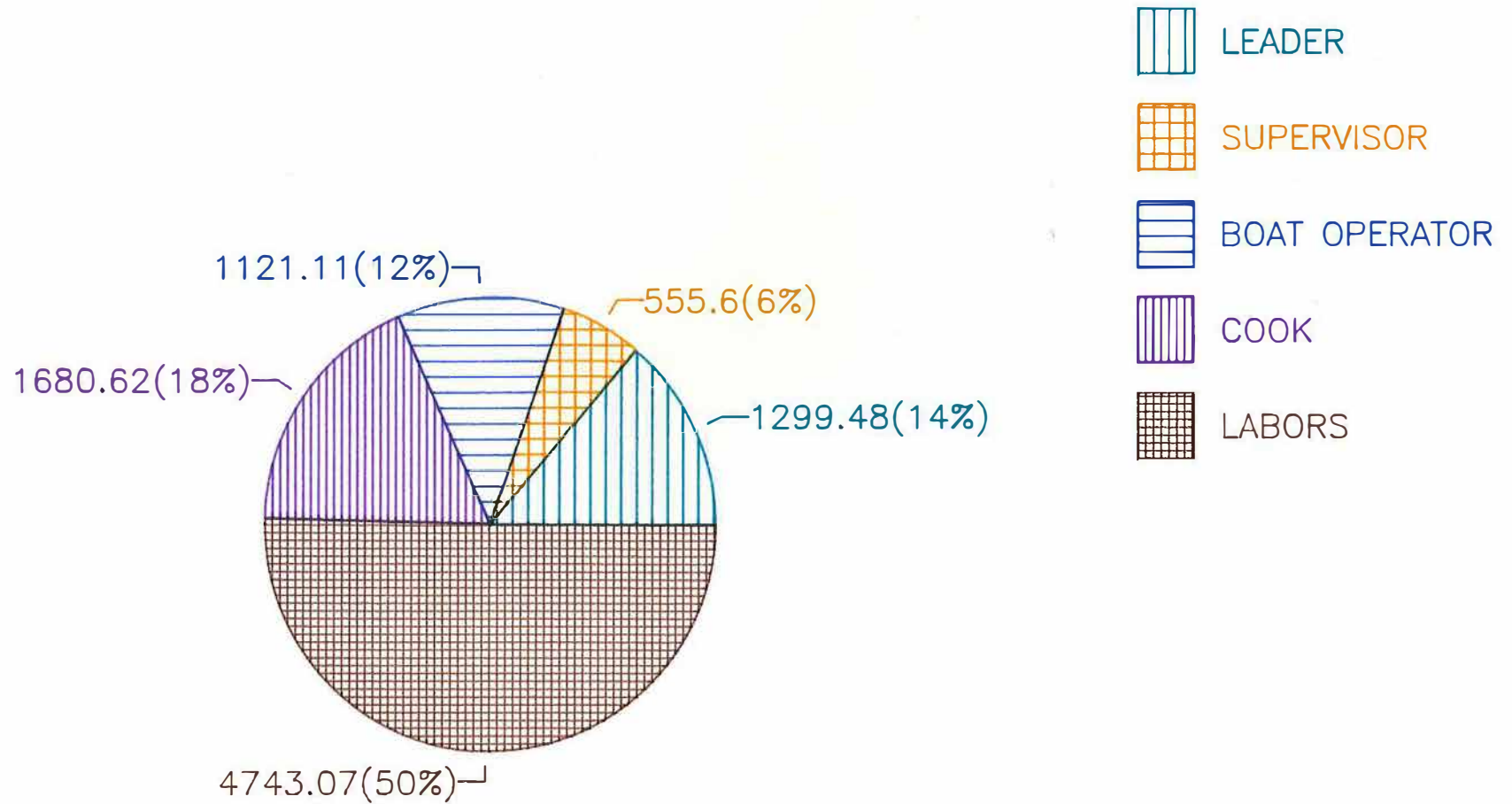
Page # 14

NAME:	S. DE LEON	B. MORENO	A. MARIOTA	G. MELO	J. MARIAGA	P. MORENO	D. ARGUELLES	J. ASPRILLA	A. RIVERA	J. MASSOT	A. MARIAGA	ROS. MORENO	C. DURANGO	V. ESPINOZA
\$/HR:	5.88	4.40	4.40	4.40	4.63	5.82	4.40	4.40	4.31	13.89	6.87	4.31	5.82	4.48
IP #:	2204100	2233827	2313413	1972529	1966821	1688090	2239434	2239396	2240947	2203448	1585495	2241242	1535811	2225395
JAN	8.00	8.00	8.00	8.00	.00	8.00	8.00	8.00	.00	8.00	.00	.00	.00	.00
JY	8.00	8.00	8.00	8.00	.00	.00	8.00	.00	8.00	8.00	8.00	8.00	.00	.00
JAN. 19	11.00	11.00	11.00	11.00	13.25	8.00	.00	.00	.00	.00	.00	.00	8.00	.00
JAN. 20	11.00	11.00	11.00	11.00	15.50	8.00	.00	.00	.00	.00	.00	.00	.00	.00
JAN. 21	11.00	11.00	11.00	11.00	15.50	8.00	.00	8.00	.00	.00	.00	8.00	.00	8.00
JAN. 22	8.00	8.00	8.00	.00	10.25	8.00	.00	.00	8.00	.00	8.00	8.00	8.00	8.00
JAN. 25	11.00	11.00	11.00	.00	.00	.00	.00	8.00	.00	.00	.00	.00	.00	.00
JAN. 26	11.00	11.00	11.00	.00	.00	.00	8.00	.00	.00	.00	.00	.00	.00	.00
JAN. 27	11.00	11.00	11.00	8.00	.00	.00	8.00	.00	.00	.00	.00	.00	.00	.00
JAN. 28	11.00	11.00	11.00	8.00	.00	.00	.00	.00	8.00	.00	.00	.00	.00	.00
JAN. 29	8.00	8.00	8.00	.00	.00	8.00	8.00	.00	.00	.00	.00	8.00	.00	.00
FEB. 01	11.00	.00	.00	.00	.00	13.25	.00	.00	.00	.00	.00	.00	.00	.00
FEB. 02	11.00	.00	.00	.00	.00	15.50	.00	.00	.00	.00	8.00	.00	.00	.00
FEB. 03	11.00	.00	.00	.00	.00	15.50	.00	8.00	.00	8.00	.00	.00	.00	.00
FEB. 04	11.00	.00	.00	.00	.00	15.50	.00	.00	.00	.00	.00	.00	.00	.00
FEB. 05	8.00	.00	.00	.00	.00	10.25	.00	.00	.00	.00	8.00	.00	8.00	.00
FEB. 08	11.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FEB. 09	11.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
FEB. 10	11.00	.00	.00	.00	.00	.00	9.50	.00	.00	8.00	.00	9.50	.00	9.50
FEB. 11	11.00	.00	.00	.00	8.00	.00	.00	.00	8.00	.00	.00	.00	.00	.00
FEB. 12	8.00	8.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	8.00	.00	.00
FEB. 18	.00	.00	.00	.00	.00	.00	8.00	.00	8.00	.00	8.00	.00	.00	.00
FEB. 19	8.00	.00	.00	.00	.00	.00	.00	.00	.00	8.00	.00	.00	.00	.00
REG+OT	221.00	117.00	109.00	65.00	62.50	118.00	57.50	32.00	40.00	40.00	40.00	49.50	24.00	25.50
\$=	1299.48	514.80	479.60	286.00	289.38	686.76	253.00	140.80	172.40	555.60	274.80	213.35	139.68	114.24

E. VALENCIA	E. CANTERA	E. GONGORA	D. GUERRERO	E. GUERRERO	J. LOPEZ	A. ZARCO	F. CEBALLOS	D. ANDERSON	RUF. MORENO	E. LARGACHA	A. PINZON	J. DURANGO	(= NAME
4.63	4.63	4.63	6.87	9.42	4.40	4.63	5.82	4.31	4.40	4.40	4.31	4.40	(= \$/HR.
1966251	1693883	1966839	1512579	1528262	2213559	1966855	1918001	2211874	2239388	2239451	1963546	2207257	(= IP #:
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	JAN. 14
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	JAN. 15
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	JAN. 19
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	JAN. 20
8.00	8.00	8.00	8.00	8.00	.00	.00	.00	.00	.00	.00	.00	.00	JAN. 21
8.00	.00	.00	8.00	.00	8.00	8.00	.00	.00	.00	.00	.00	.00	JAN. 22
13.25	8.00	.00	8.00	.00	8.00	.00	.00	.00	.00	.00	11.00	.00	JAN. 25
15.50	.00	.00	8.00	.00	.00	.00	8.00	8.00	.00	.00	11.00	.00	JAN. 26
15.50	.00	8.00	.00	.00	.00	.00	.00	8.00	8.00	.00	11.00	.00	JAN. 27
15.50	.00	8.00	.00	.00	.00	.00	.00	.00	.00	.00	11.00	.00	JAN. 28
10.25	.00	.00	8.00	.00	.00	.00	.00	.00	8.00	8.00	8.00	.00	JAN. 29
.00	.00	11.00	.00	.00	.00	.00	.00	11.00	.00	.00	11.00	.00	FEB. 01
.00	.00	11.00	.00	.00	8.00	.00	.00	11.00	.00	.00	11.00	.00	FEB. 02
.00	.00	11.00	8.00	.00	.00	.00	.00	11.00	.00	.00	11.00	.00	FEB. 03
.00	.00	11.00	.00	.00	.00	.00	.00	11.00	.00	.00	11.00	.00	FEB. 04
.00	.00	8.00	.00	.00	.00	.00	.00	8.00	.00	.00	8.00	.00	FEB. 05
.00	.00	.00	.00	.00	.00	.00	13.25	11.00	11.00	.00	11.00	.00	FEB. 08
.00	.00	.00	.00	.00	.00	.00	15.50	11.00	11.00	.00	11.00	.00	FEB. 09
.00	9.50	.00	9.50	9.50	.00	.00	15.50	11.00	11.00	.00	11.00	.00	FEB. 10
.00	8.00	.00	8.00	.00	.00	.00	15.50	11.00	11.00	.00	11.00	8.00	FEB. 11
.00	.00	.00	8.00	.00	.00	.00	10.25	8.00	8.00	.00	8.00	.00	FEB. 12
.00	.00	.00	8.00	.00	8.00	.00	.00	8.00	8.00	.00	.00	.00	FEB. 18
.00	.00	.00	8.00	.00	.00	.00	.00	8.00	.00	.00	.00	.00	FEB. 19
86.00	33.50	76.00	89.50	17.50	32.00	8.00	78.00	136.00	76.00	8.00	156.00	8.00	TOTAL \$:
398.18	155.11	351.88	614.87	164.85	140.80	37.04	453.96	586.16	334.40	35.20	672.36	35.20	9399.88

MONTE LIRIO PROJECT BY JAIME MASSOT

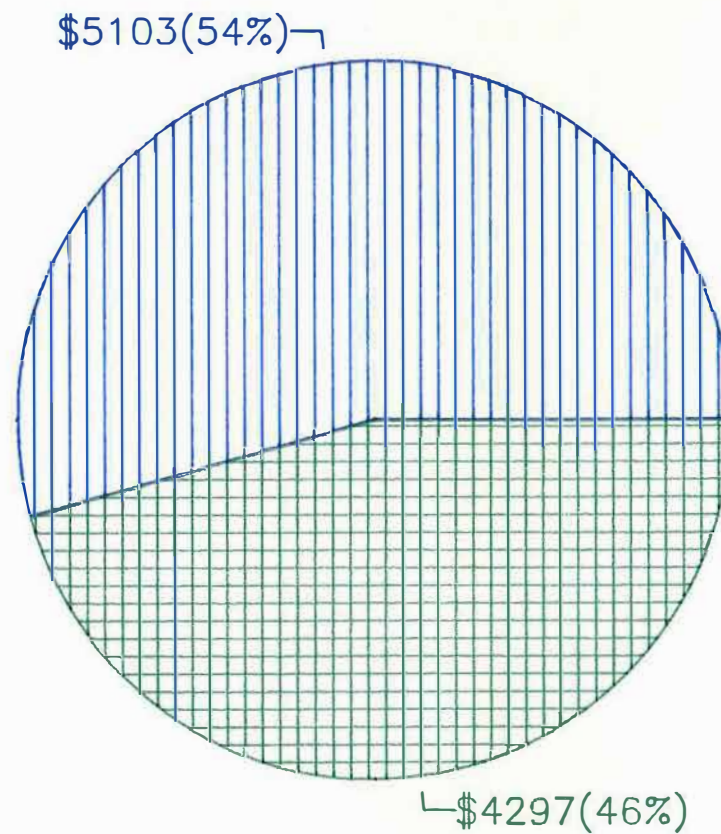
TOTAL=\$9399.88



LABOR COST COMPARISON

MONTE LIRIO PROJECT

BY JAIME MASSOT



JAN.-FEB. 1988

LABOR COSTS COMPARISON

S. DE LEON	B. MORENO	A. MARIOTA	G. MELO	J. MARIAGA	P. MORENO	D. ARGUELLE
5.88	4.40	4.40	4.40	4.63	5.82	4.40
9204100	2233827	2313413	1972529	1966821	1688090	2239434
47.04	35.20	35.20	35.20	.00	46.56	35.20
47.04	35.20	35.20	35.20	.00	.00	35.20
64.68	48.40	48.40	48.40	61.35	46.56	.00
64.68	48.40	48.40	48.40	71.77	46.56	.00
64.68	48.40	48.40	48.40	71.77	46.56	.00
47.04	35.20	35.20	.00	47.46	46.56	.00
64.68	48.40	48.40	.00	.00	.00	.00
64.68	48.40	48.40	.00	.00	.00	35.20
64.68	48.40	48.40	35.20	.00	.00	35.20
64.68	48.40	48.40	35.20	.00	.00	.00
47.04	35.20	35.20	.00	.00	46.56	35.20
64.68	.00	.00	.00	.00	77.12	.00
64.68	.00	.00	.00	.00	90.21	.00
64.68	.00	.00	.00	.00	90.21	.00
64.68	.00	.00	.00	.00	90.21	.00
47.04	.00	.00	.00	.00	59.66	.00
64.68	.00	.00	.00	.00	.00	.00
64.68	.00	.00	.00	.00	.00	.00
64.68	.00	.00	.00	.00	.00	41.80
64.68	.00	.00	.00	37.04	.00	.00
47.04	35.20	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	35.20
47.04	.00	.00	.00	.00	.00	.00
1299.48	514.80	479.60	286.00	289.38	686.76	253.00
1158.36	409.20	409.20	145.20	252.34	407.40	
141.12	105.60	70.40	140.80	37.04	279.36	253.00
J. ASPRILLA	A. RIVERA	J. MASSOT	A. MARIAGAROS.	MORENO	C. DURANGO.	ESPINOZA
4.40	4.31	13.89	6.87	4.31	5.82	4.48
2239396	2240947	2203448	1585495	2241242	1535811	2225395
35.20	.00	111.12	.00	.00	.00	.00
.00	34.48	111.12	54.96	34.48	.00	.00
.00	.00	.00	.00	.00	46.56	.00
.00	.00	.00	.00	.00	.00	.00
35.20	.00	.00	.00	34.48	.00	35.84
.00	34.48	.00	54.96	34.48	46.56	35.84
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.00	.00	.00	54.96	.00	.00	.00
35.20	.00	111.12	.00	.00	.00	.00
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.00	.00	.00	54.96	.00	46.56	.00
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.00	34.48	.00	54.96	.00	.00	.00
.00	.00	111.12	.00	.00	.00	.00
140.80	172.40	555.60	274.80	213.35	139.68	114.24
140.80	172.40	555.60	274.80	213.35	139.68	114.24

TOTAL
CAMPAIGN
DAILY TRIPS

CAMPAIGN

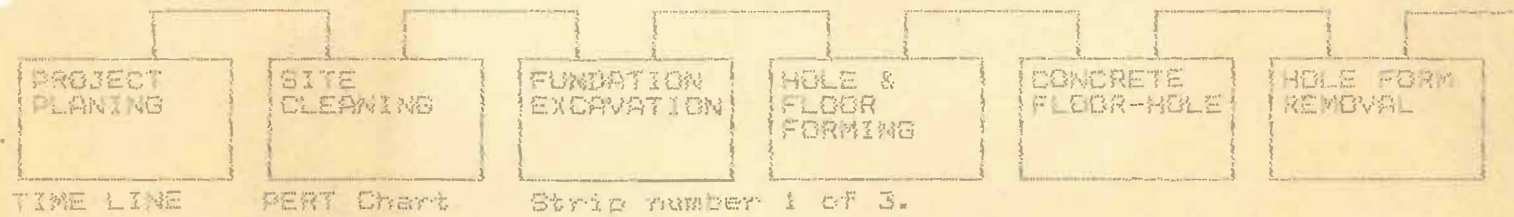
E. VALENCIA	E. CANTERA	E. GONGORAD.	GUERRERDE.	GUERRERD	J. LOPEZ	A. ZARCO
4.63	4.63	4.63	6.87	9.42	4.40	4.63
1966251	1693883	1966839	1512579	1528262	2213559	1966855
.00	.00	.00	.00	.00	.00	.00
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.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00
37.04	37.04	37.04	54.96	75.36	.00	.00
37.04	.00	.00	54.96	.00	35.20	37.04
61.35	37.04	.00	54.96	.00	35.20	.00
71.77	.00	.00	54.96	.00	.00	.00
71.77	.00	37.04	.00	.00	.00	.00
71.77	.00	37.04	.00	.00	.00	.00
47.46	.00	.00	54.96	.00	.00	.00
.00	.00	50.93	.00	.00	.00	.00
.00	.00	50.93	.00	.00	35.20	.00
.00	.00	50.93	54.96	.00	.00	.00
.00	.00	50.93	.00	.00	.00	.00
.00	.00	37.04	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00
.00	.00	.00	.00	.00	.00	.00
.00	43.99	.00	65.27	89.49	.00	.00
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.00	.00	.00	54.96	.00	.00	.00
.00	.00	.00	54.96	.00	35.20	.00
.00	.00	.00	54.96	.00	.00	.00
398.18	155.11	351.88	614.87	164.85	140.80	37.04
324.10		240.76				
74.08	155.11	111.12	614.87	164.85	140.80	37.04
F. CEBALLOS	D. ANDERSON	RUIF. MORENO	E. LARGACHA	A. PINZON	J. DURANGO	
5.82	4.31	4.40	4.40	4.31	4.40	
1918001	2211874	2239388	2239451	1963546	2207257	
.00	.00	.00	.00	.00	.00	
.00	.00	.00	.00	.00	.00	
.00	.00	.00	.00	.00	.00	
.00	.00	.00	.00	.00	.00	
.00	.00	.00	.00	.00	.00	
.00	.00	.00	.00	.00	.00	
.00	.00	.00	.00	47.41	.00	
46.56	34.48	.00	.00	47.41	.00	
.00	34.48	35.20	.00	47.41	.00	
.00	.00	.00	.00	47.41	.00	
.00	.00	35.20	35.20	34.48	.00	
.00	47.41	.00	.00	47.41	.00	
.00	47.41	.00	.00	47.41	.00	
.00	47.41	.00	.00	47.41	.00	
.00	47.41	.00	.00	47.41	.00	
.00	34.48	.00	.00	34.48	.00	
77.12	47.41	48.40	.00	47.41	.00	
90.21	47.41	48.40	.00	47.41	.00	
90.21	47.41	48.40	.00	47.41	35.20	
90.21	47.41	48.40	.00	47.41	.00	
59.66	34.48	35.20	.00	34.48	.00	
.00	34.48	35.20	.00	.00	.00	
.00	34.48	.00	.00	.00	.00	
453.96	586.16	334.40	35.20	672.36	35.20	TOTALS
407.40	448.24	228.80		672.36		5103.36
46.56	137.92	105.60	35.20	.00	35.20	4296.53

CAMPAIGN

CAMPAIGN

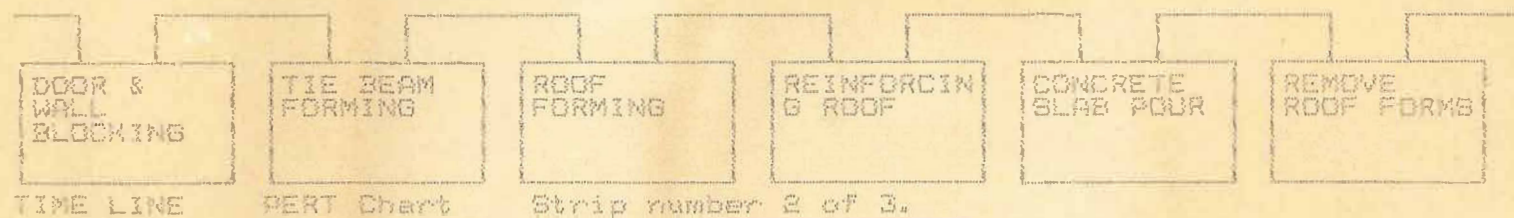
Schedule Name: MONTE LIRIO CONSTRUCTION
 Project Manager: JAIME MASSOT
 As of date: 13-Jan-88 12:30pm Schedule File: A:MONTE-88

WORK REQUEST 0179



Schedule Name: MONTE LIRIO CONSTRUCTION
 Project Manager: JAIME MASSOT
 As of date: 13-Jan-88 12:31pm Schedule File: A:MONTE-88

WORK REQUEST 0179



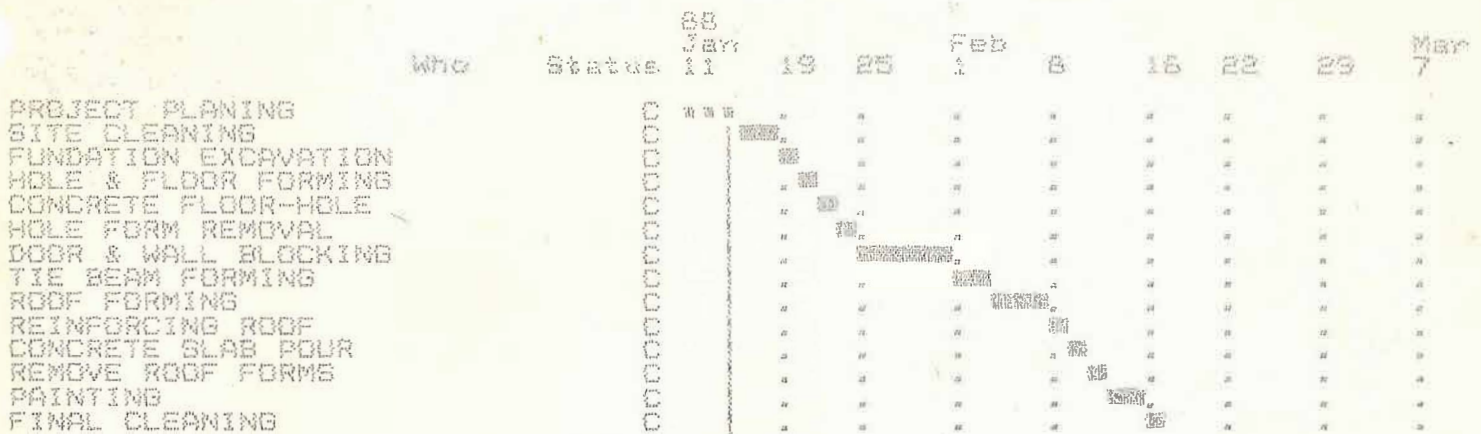
Schedule Name: MONTE LIRIO CONSTRUCTION
 Project Manager: JAIME MASSOT
 As of date: 13-Jan-88 12:31pm Schedule File: A:MONTE-88

WORK REQUEST 0179



Schedule Name: MONTE LIRIO CONSTRUCTION
 Project Manager: JAIME MASSOT
 As of date: 13-Jan-88 12:32pm Schedule File: A:MONTE-88

WORK REQUEST 0179



D Done
 C Critical
 R Resource conflict
 p Partial dependency
 Scale: Each character equals 1 day

Task
 *** Started task
 Milestone

— Slack time (---), or
 Resource delay (---)

Conflict

TIME LINE Gantt Chart Report

Strip 1

Schedule Name: MONTE LIRIO CONSTRUCTION
 Project Manager: JAIME MASSOT
 As of date: 13-Jan-88 12:33pm Schedule File: A:MONTE-88

WORK REQUEST 0179

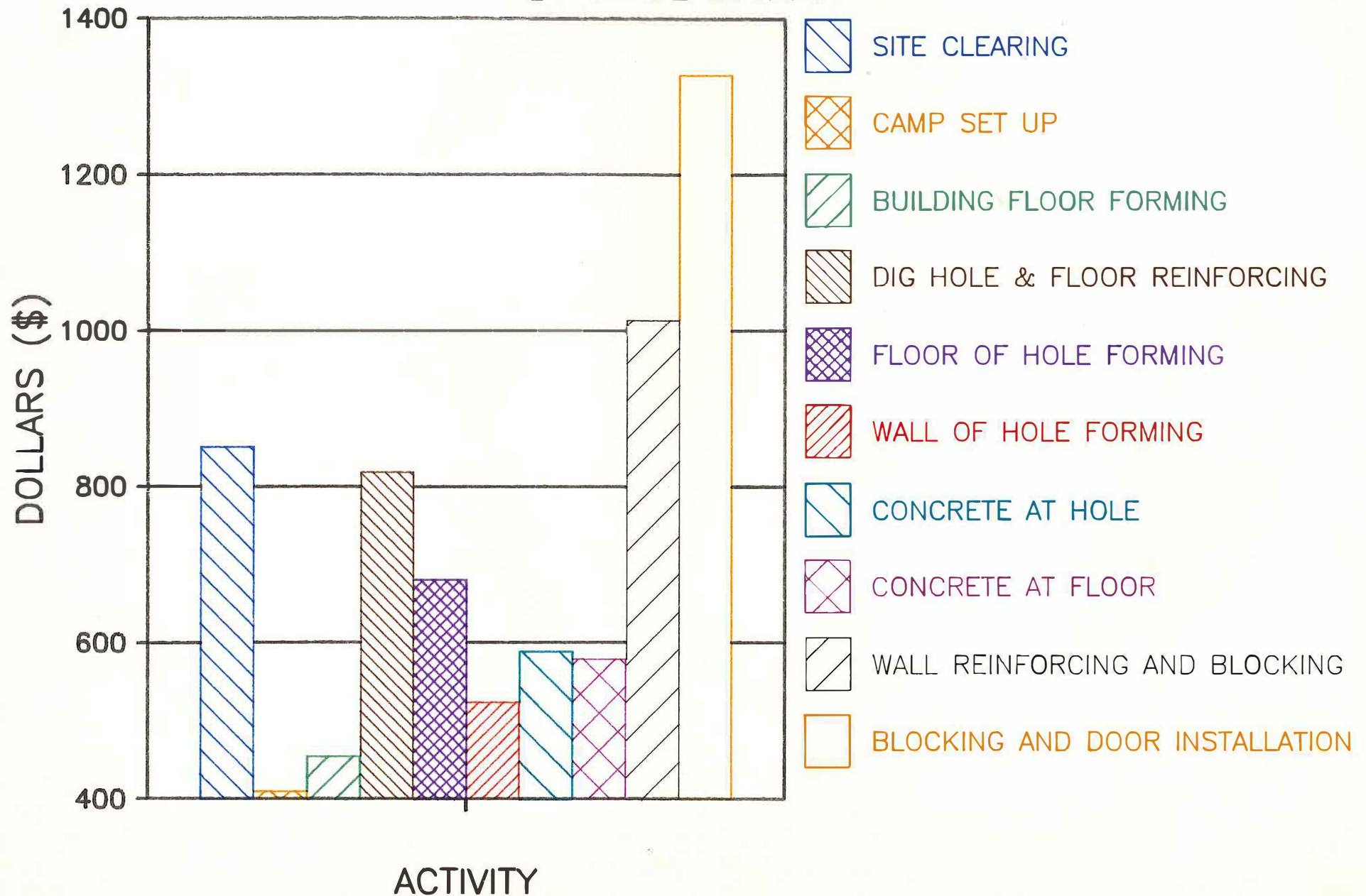
Name	Full Name	Type
BLOCKS 6"	FROM PANABLOCK APPROX.=240 UNITS	Unit Cost
CEMENT	CEMENT PORTLAND #280-0205 "I"	Unit Cost
GRAVEL #4	NON-CAPITAL MAINT.DIV. (3 YDS.)	Unit Cost
MB/03/05	THREE MASON WORKERS	Resource
MB/08/05	COOK ALSO WORK AS MASON	Resource
ML/08/05	LEADER ALSO WORK AS CARPENTER	Resource
PAINT	5 GALON OF LATEX MASONRY WHITE	Unit Cost
SAND	NON-CAPITAL MAINT.DIV. (3 YDS.)	Unit Cost
STEEL 3/8"	#550-0200 "B" 18 XLFT	Unit Cost
STEEL 5/8"	#550-0600 "B" 9 XLFT	Unit Cost

TIME LINE Resource Table Report

Maximum Available	Rate	Per	Accrual
	0.705		Prorate
	4.539		Prorate
	12.500		Prorate
3.00	4.100	1 hour	Prorate
1.00	5.650	1 hour	Prorate
1.00	6.670	1 hour	Prorate
	31.950		Prorate
	10.500		Prorate
	0.651		Prorate
	3.083		Prorate

MONTE LIRIO CONSTRUCTION PROJECT

BY JAIME MASSOT



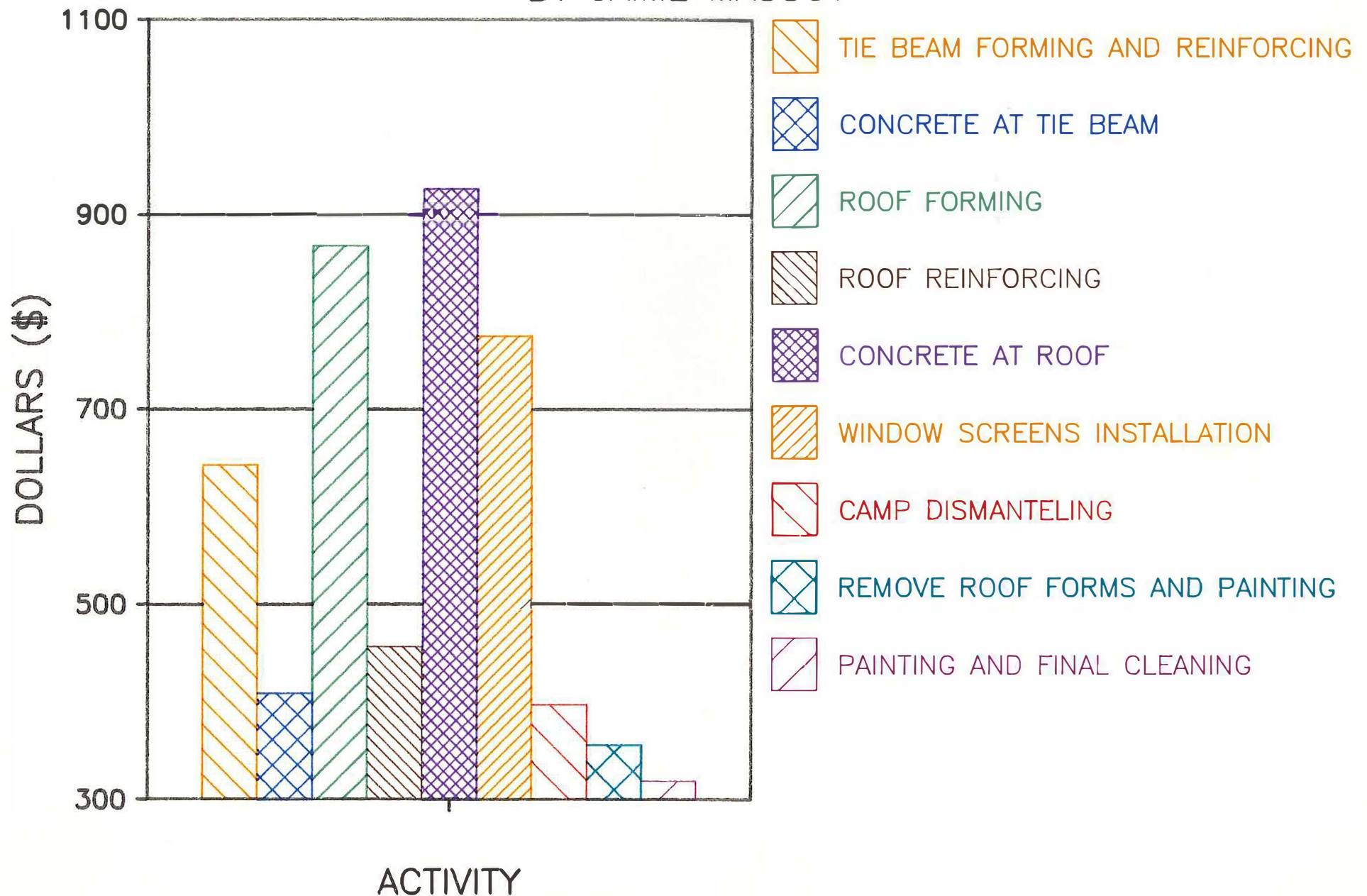
MONTE LIRIO CONSTRUCTION PROJECT

BY JAIME MASSOT

ACTIVITY:	COST:	NUMBER:
SITE CLEARING	851.60	1
CAMP SET UP	410.44	2
BUILDING FLOOR FORMING	455.69	3
DIG HOLE & FLOOR REINFORCING	818.65	4
FLOOR OF HOLE FORMING	681.32	5
WALL OF HOLE FORMING	524.40	6
CONCRETE AT HOLE	589.78	7
CONCRETE AT FLOOR	579.70	8
WALL REINFORCING AND BLOCKING	1014.68	9
BLOCKING AND DOOR INSTALLATION	1327.89	10
TIE BEAM FORMING AND REINFORCING	642.79	11
CONCRETE AT TIE BEAM	409.51	12
ROOF FORMING	867.69	13
ROOF REINFORCING	456.54	14
CONCRETE AT ROOF	927.12	15
WINDOW SCREENS INSTALLATION	775.16	16
CAMP DISMANTELING	397.35	17
REMOVE ROOF FORMS AND PAINTING	356.43	18
PAINTING AND FINAL CLEANING	319.55	19

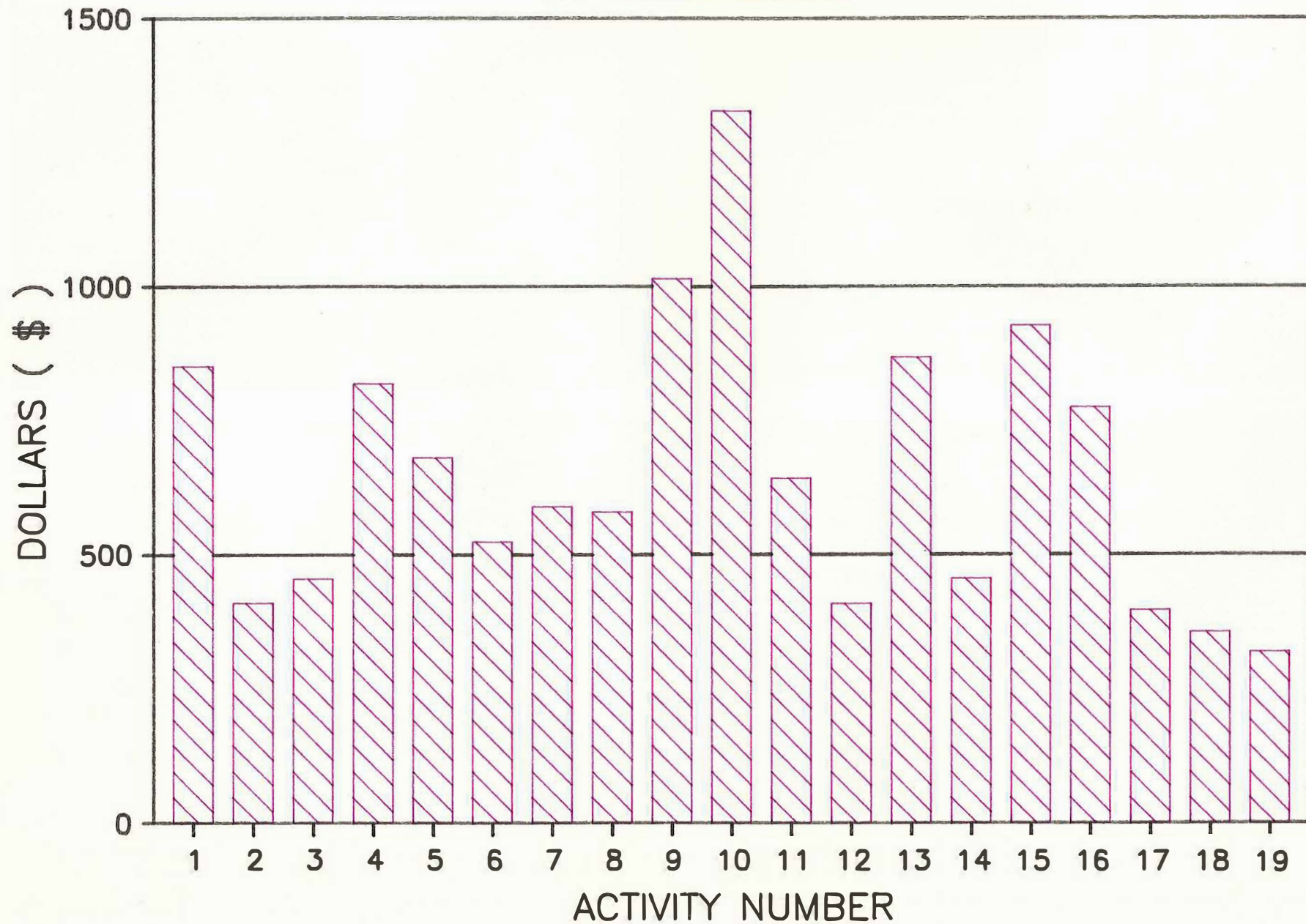
MONTE LIRIO CONSTRUCTION PROJECT

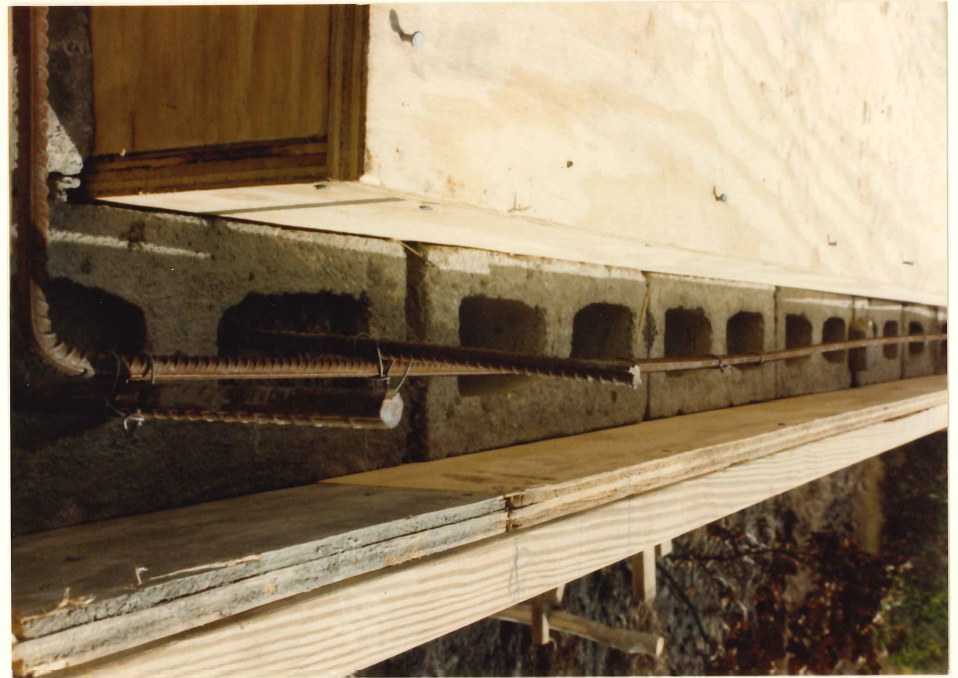
BY JAIME MASSOT



MONTE LIRIO CONSTRUCTION PROJECT

BY JAIME MASSOT









COST OF MATERIALS

MONTE LIRIO PROJECT
BY JAIME MASSOT
JAN. - FEB. 1988

MATERIAL:	CEMENT	SAND	STONE	LUMBER	LUMBER	LUMBER	PLYWOOD	BLOCKS	VENTBL.	VENTBL.	STEEL	STEEL	STEEL	PAINT	DOOR-FRAME	WINDOW
UNIT:	SACKS	SACKS	SACKS	PC.	PC.	PC.	SHEET	EACH	EACH	EACH	FEET	FEET	FEET	GALON	EACH	EACH
SUPPLIER:	I	MAINT.	MAINT.	I	I	I	I	PMA	PMA	PMA	B	B	B	I	PMA	PMA
REMARKS:	PORTLAND	BALBOA	BALBOA	2x2x12	2x4x16	2x10x16	3/4x48x96	6x8x16	BLOCKS	PLATES	3/8"	1/2"	5/8"	5 GAL. CAN	**	**
STOCK #:	280-0205	N/A	N/A	112-7922	112-7932	112-7452	115-3450	N/A	N/A	N/A	660-0200	660-0400	660-0600	080-5490	N/A	N/A
PRICE:	4.54	.15	.17	4.16	9.06	22.67	17.73	.62	1.75	1.60	.85	2.00	3.08	31.95	235.00	52.00

ACTIVITY:

FORMING & REINFORCING HOLE & FLOOR				34.63		56.68	17.73				22.13		18.48			149.65
CONCRETE AT FLOOR AND HOLE	40.28	8.67	11.52													60.47
WALL BLOCKING	22.70	4.56						148.80	63.00	38.40		30.00			235.00	542.46
FORMING, REINFORCING & CONCRETE TIEBEAM	9.08	2.13	2.67	13.85			53.19					12.00				92.92
FORMING & REINFORCING ROOF SLAB					181.20		70.92				24.51					276.63
CONCRETE AT ROOF SLAB	36.32	7.60	9.19													53.11
PAINTING														63.90		63.90
OTHERS															208.00	208.00
COST TOTAL:	108.38	22.96	23.38	48.48	181.20	56.68	141.84	148.80	63.00	38.40	46.64	42.00	18.48	63.90	235.00	1447.14

QUANTITIES OF MATERIALS UTILIZED

MONTE LIRIO PROJECT
BY JAIME MASSOT
JAN. - FEB. 1988

MATERIAL:	CEMENT	SAND	STONE	LUMBER	LUMBER	LUMBER	PLYWOOD	BLOCKS	VENTBL.	VENTBL.	STEEL	STEEL	STEEL	PAINT	DOOR-FRAME	WINDOW
UNIT:	SACKS	SACKS	SACKS	PC.	PC.	PC.	SHEET	EACH	EACH	EACH	FEET	FEET	FEET	GALON	EACH	EACH
SUPPLIER:	I	MAINT.	MAINT.	I	I	I	I	PMA	PMA	PMA	B	B	B	I	PMA	PMA
REMARKS:	PORTLAND	BALBOA	BALBOA	2x2x12	2x4x16	2x10x16	3/4x48x96	6x8x16	BLOCKS	PLATES	3/8"	1/2"	5/8"	5 GAL. CAN	**	**
STOCK #:	280-0205	N/A	N/A	112-7922	112-7932	112-7452	115-3450	N/A	N/A	N/A	660-0200	660-0400	660-0600	080-5490	N/A	N/A
PRICE:	4.54	.15	.17	4.16	9.06	22.67	17.73	.62	1.75	1.60	.85	2.00	3.08	31.95	235.00	52.00

ACTIVITY:

FORMING & REINFORCING HOLE & FLOOR				100		40	1				260		60			
CONCRETE AT FLOOR AND HOLE	9	57	69													
WALL REINFORCING AND BLOCKING	5	30						240	36	24		150			1	
FORMING, REINFORCING & CONCRETE TIEBEAM	2	14	16	40			3					60				
FORMING & REINFORCING ROOF SLAB					320		4				288					
CONCRETE AT ROOF SLAB	8	50	55													
PAINTING														8		
OTHERS																4
MATERIAL TOTAL:	24	151	140	140	320	40	8	240	36	24	548	210	60	8	1	4

PURCHASE ORDER

SHOW THIS
REFERENCE ON
ALL CORRESPONDENCE

PURCHASE ORDER NO.

92294-MM-29

ORDER DATE REQ'D DELIVERY DATE CASH DISCOUNT TERMS

-01-88

02-09-88

NET

ALPHA/DEST

MM 29

☒ ADD

TO:

☐ CHANGE

☐ DELETE

HOJALATERIA PEREZ, S.A.
APARTADO 1272
PANAMA 1, REP. OF PANAMA
ATTN: R. IBANEZ E.

SHIP TO:

PANAMA CANAL COMMISSION
P.O. NO. 92294-MM-29
ENGINEERING DIVISION
BALBOA, REP. OF PANAMA

VENDOR
NO.

SHIPPING TERMS AND INSTRUCTIONS

SHOW THESE SHIPPING MARKS ON ALL CARTONS

F.O.B. DESTINATION

SHIP VIA: YOUR ROUTING

PCC 92294-MM-29

PCC KEY	DESCRIPTION	QUANTITY	UNIT PRICE	EXTENDED PRICE
A	FOR: MONTE LIRIO CONSTRUCTION PROJECT ITEM 1. FABRICATED METAL DOORS ITEM 2. FABRICATED EXPANDED METAL WINDOWS	1 EA. 2 EA.	\$52.00	\$235.00 104.00
B	FOR: CASCADAS CONTRUCTION PROJECT ITEM 3. FABRICATED METAL DOORS ITEM 4. FABRICATED EXPANDED METAL WINDOWS	1 EA. 2 EA.	52.00	235.00 104.00
As per your quotation dated 01-25-88. Copy attached. This purchase order is subject to the Terms & Conditions of General Contract Clauses & Provisions, attached hereto.				

KEY	COMPANY	ACCOUNT No.	CENTER	PROJ. COMP.	PROJ. CODE
A	P C 2 C	0 0 0 - 7 7 1	2 7 0 - 3 5 2 - 0 1	Z J O B	0 1 7 9 - 0 0 1
B		0 0 0 - 7 7 1	2 7 0 - 3 5 2 - 0 1	Z J O B	0 1 8 1 - 0 0 1
C				Z J O B	

DIVISION RECEIVING REPORT

REPORT OF EXCEPTIONS. ATTACH PACKING LIST. IF
PARCEL WAS INSURED, SHOW REGISTRY NUMBER.

PURCHASE AUTHORIZED BY:

Beryl Burke
Beryl Burke
Contract Specialist

CONTRACTING OFFICER

\$ 678.00

TOTAL ORDER AMOUNT
(Including all continuation pages)

THE ITEMS DESCRIBED ABOVE HAVE BEEN RECEIVED AND
ACCEPTED, EXCEPT AS NOTED UNDER THE REPORT OF
EXCEPTIONS.

DATE SUPPLIES REC'D

FREIGHT/POSTAGE

SIGNATURE

PANAMA CANAL
FORM NO. 3163
Rev. 11 - 84

PANAMA CANAL COMMISSION

DIVISION PURCHASE ORDER

SHOW THIS
REFERENCE
ON ALL
CORRESPONDENCE

DPO
048091

ORDER DATE

REQUIRED DELIVERY DATE

SHIP TO:

01/20/88

TO:

NOTE:
ALL DATES
MO./DAY/YR.

BLOKMIGON
Aptdo. 4170
Panama 5, RP

PANAMA CANAL COMMISSION
DPO 48091-MM-29
Engineering Division
Met. & Hyd. Branch
Balboa, Rep. of Panama

VENDOR NO.

0000101494

PLEASE SUPPLY THE PANAMA CANAL COMMISSION
WITH THE ITEMS BELOW. PREPAY POSTAGE
OR INLAND FREIGHT AND SHIP VIA:

☐ Insured Parcel Post ☐ Insured Priority Mail ☐ See Special Instructions Below

PCC KEY	DESCRIPTION	QUANTITY	UNIT PRICE	EXTENDED PRICE
	FOR: CASCADAS CONSTRUCTION PROJECT			
A	ITEM 1. CONCRETE BLOCK 6 X 8 X 16	300 ea.	0.62	186.00
A	ITEM 2. PLUS DELIVERY (\$7.81 PER \$100)	3 ea.	7.81	23.43
	FOR: MONTE LIRIO CONSTRUCTION PROJECT			
B	ITEM 3. CONCRETE BLOCK 6 X 8 X 16	300 ea.	0.62	186.00
B	ITEM 4. PLUS DELIVERY CHARGES	3 ea.	7.81	23.43
				209.43

COMPANY P C 2C		ACCOUNT NO. 000-771	PROJ. COMPANY Z J O B	TOTAL ORDER INCLUDING POSTAGE / FREIGHT MUST NOT EXCEED THIS AMOUNT \$ 435.00
KEY	CENTER	PROJECT CODE		PURCHASE AUTHORIZED BY: Francisco Delgado Jr. PURCHASING AGENT
A	270-352-01	0181-001		
B	270-352-01	0179-001		
C				
				FUND AVAILABILITY FUNDS ARE AVAILABLE FOR THE ACCOUNTING DISTRIBUTION (S) SHOWN. <i>K. Underwood</i> K. Underwood 01-20-88 UNIT FUND CONTROLLER DATE

→ IMPORTANT INFORMATION FOR VENDOR ←

NOTE: THE PANAMA CANAL COMMISSION IS AN AGENCY OF THE UNITED STATES GOVERNMENT. DO NOT INCLUDE ANY FEDERAL, STATE OR LOCAL TAXES IN THE PRICES CHARGED. ALLOW ALL DISCOUNTS APPLICABLE TO PURCHASES BY THE UNITED STATES GOVERNMENT. SEE THE REVERSE FOR GENERAL CONDITIONS.
MAILING INFORMATION FOR U. S. SUPPLIERS: POSTAGE TO THE PANAMA CANAL COMMISSION IS THE SAME AS TO OTHER A P O / F F O MAILING ZONES WITHIN THE U. S. POSTAL SYSTEM.
SEND INVOICE IN DUPLICATE, AND ALL CORRESPONDENCE, BY PRIORITY MAIL TO:

PANAMA CANAL COMMISSION
Engineering Division
Met. & Hyd. Br. 48091-MM-29
Balboa, Rep. of Panama

SPECIAL INSTRUCTIONS:

PANAMA CANAL
FORM NO. 3163
Rev. 11-84

PANAMA CANAL COMMISSION

DIVISION PURCHASE ORDER

SHOW THIS
REFERENCE
ON ALL
CORRESPONDENCE

DPO
048090

ER DATE

REQUIRED DELIVERY DATE

01/20/88

NOTE:
ALL DATES
MO./DAY/YR.

TTO

Granitos Panamenos D'Orazio SA
Apartado 4241
Panama 5, RP

SHIP TO:

PANAMA CANAL COMMISSION
DPO 48090-MM-29
Engineering Division
Met. & Hyd. Branch
Balboa, Rep. of Panama

PLEASE SUPPLY THE PANAMA CANAL COMMISSION
WITH THE ITEMS BELOW. PREPAY POSTAGE
OR INLAND FREIGHT AND SHIP VIA:

☐ Insured
Parcel Post

☐ Insured
Priority Mail

☐ See Special
Instructions Below

VENDOR NO.

0000264296

PCG KEY	DESCRIPTION	QUANTITY	UNIT PRICE	EXTENDED PRICE
	FOR: MONTE LIRIO CONSTRUCTION PROJECT			
A	ITEM 1. VENT BLOCKS	50 ea.	1.75	87.50
A	ITEM 2. PLATES	34 ea.	1.60	54.40
	FOR: CASCADAS CONSTRUCTION PROJECT			
	ITEM 3. VENT BLOCKS	50 ea.	1.75	87.50
B	ITEM 4. PLATES	34 ea.	1.60	54.40

COMPANY

ACCOUNT NO.

PROJ. COMPANY

P C 2 C

000-771

Z J O B

TOTAL ORDER INCLUDING
POSTAGE / FREIGHT MUST
NOT EXCEED THIS AMOUNT

\$ 300.00

KEY

CENTER

PROJECT CODE

PURCHASE AUTHORIZED BY:

FUND AVAILABILITY
FUNDS ARE AVAILABLE
FOR THE ACCOUNTING
DISTRIBUTION (SHOWN)

A

270-352-01

0179-001

B

270-352-01

0181-001

C

Francisco Delgado Jr.
PURCHASING AGENT

K. Underwood 01-20-88
UNIT FUND CONTROLLER DATE

→ IMPORTANT INFORMATION FOR VENDOR ←

NOTE: THE PANAMA CANAL COMMISSION IS AN AGENCY OF THE UNITED STATES GOVERNMENT.
DO NOT INCLUDE ANY FEDERAL, STATE OR LOCAL TAXES IN THE PRICES CHARGED. ALLOW ALL
DISCOUNTS APPLICABLE TO PURCHASES BY THE UNITED STATES GOVERNMENT. SEE THE REVERSE
FOR GENERAL CONDITIONS.

MAILING INFORMATION FOR U. S. SUPPLIERS: POSTAGE TO THE PANAMA CANAL COMMISSION IS
THE SAME AS TO OTHER A P O / F P O MAILING ZONES WITHIN THE U. S. POSTAL SYSTEM.

SEND INVOICE IN DUPLICATE,
AND ALL CORRESPONDENCE,
BY PRIORITY MAIL TO:

PANAMA CANAL COMMISSION
Engineering Division
Met. & Hyd. Br. 48090-MM-29
Balboa, Rep. of Panama

SPECIAL INSTRUCTIONS:

PANAMA CANAL
FORM NO. 4062
10 - 85

PANAMA CANAL COMMISSION

NON-CAPITAL WORK ORDER

USE THIS FORM TO REQUEST THE FOLLOWING:

- 1) ROUTINE NON - CAPITAL WORK FROM PERFORMING UNITS WITHIN THE JOB ORDER SYSTEM, i. e., INDUSTRIAL DIVISION, MAINTENANCE DIVISION OR THE ELECTRICAL WORK BRANCH.
- 2) SERVICES FROM COMMISSION UNITS NOT WITHIN THE JOB ORDER SYSTEM, i. e., INSTRUMENT REPAIR SHOP, COMMUNICATIONS BRANCH (ELECTRONICS SECTION AND TELEPHONE SECTION) AND MOTOR TRANSPORTATION DIVISION.

USE FORM NO. 4061, NON - CAPITAL WORK REQUEST, TO REQUEST NON - ROUTINE " PROJECT TYPE " WORK.

TO: <input type="checkbox"/> ELECTRICAL WORK BRANCH <input checked="" type="checkbox"/> BALBOA <input checked="" type="checkbox"/> MAINTENANCE DIV. <input type="checkbox"/> CRISTOBAL <input type="checkbox"/> INDUSTRIAL DIV. <input type="checkbox"/> OTHER (SPECIFY)	FROM: (REQUESTING ORGANIZATION) ECEH OPERATIONS SECTION
DESCRIPTION OF WORK: PLEASE DELIVER THE FOLLOWING TO THE OPERATIONS SECTION, BLDG 105 IN PEDRO MIGUEL 1.) 6 TDS. OF #4 GRAVEL 2.) 6 TDS OF SAND FOR FURTHER INFORMATION, CALL 52-4900. TEDDY ARIAS OR JAIME MASBOT.	

CHARGE COST CENTER NO.	REQUESTED BY	DATE	TELEPHONE NO.	APPROVED BY
281-548-43	W. B. SHAW CHIEF ECEH	JAN 8 1988	52-7716	

FOR USE OF PERFORMING DIVISION

WORK ORDER NUMBER

WORK REQUEST NO.	JOB NO.
------------------	---------

No 025609

SHOP (S) ASSIGNED <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/>	WORK COMPLETED <hr style="border-top: 1px dashed black;"/> <hr style="border-top: 1px dashed black;"/>
---	--

DISTRIBUTION: ORIGINAL (White) - PERFORMING DIVISION (RETURNED TO REQUESTER WHEN WORK IS COMPLETED)
 1 st. COPY (Yellow) - PERFORMING DIVISION
 2 nd. COPY (Pink) - REQUESTING DIVISION



PANAMA CANAL COMMISSION

Logistical Support Division
Purchasing and Contracts Branch

BALBOA
REPUBLIC OF PANAMA

U.S. MAILING ADDRESS
APO MIAMI 34011 - 5000

February 1, 1988

HOJALATERIA PEREZ, S.A.
APARTADO 1272
PANAMA 1, REP. OF PANAMA
ATTN: R. IBANEZ E.

Reference: Purchase Order No.: 92294-MM-29.

Gentlemen;

Please indicate acceptance of the above reference Purchase Order by one of the following methods:

- (a) By an authorized official signing in the space below and returning one copy of this letter to the Chief, Purchasing and Contracts Branch, Logistical Support Division.
- (b) By a telegram or telex referring to the Purchase Order Number. Telex address is 3049 PCCGSST PG.

Sincerely,

[Signature]
John W. Frensley
Chief, Purchasing Section

Enclosures

ACCEPTED BY:

[Signature]
Signature
Roberto Ibanez
Name
PROPIETARIO
Title
Feb 9, 88
Date

REQUEST FOR PURCHASE

DATE Jan. 29, 1988

(DATE)

Possible Vendors:

Customer's Name _____

Address _____

Account No.

Job No.

Parts for

Make

Model

Serial No.

Name and Tel. No. of Requester <i>Mr. J. A. ...</i>	Shop/Office <i>105 ...</i>	Est. Weight	Total Purchase
Signature and Title of Approving Official <i>[Signature]</i>	Purchase Order No. <i>067595</i>		

Name and Tel. No. of Requester

Shop/Office

Est. Weight

Total Purchase

Signature and Title of Approving Official

Purchase Order No.

067595

METAL DOOR AND FRAME

1 1/2 x 1 1/2 x 1/8" L FRAME

TAMPER PROOF LATCHING DEVICE
SEE DETAIL

- 1/2 GA. STEEL PLATE ON
1/2" x 1 1/2" FRAME

6"

 $\rightarrow \frac{1}{2}$

G'

47-

 $\sqrt{3/16}$

METAL
DOOR

DOOR FRAME

MLT & HYD BR,

DRAWN: JAIME MASSET

1/2" \square BAR
WELDED TO FRAME

6" EMBEDDED
IN BLOCK WALL

2" ANCHOR STRAP
3 PER JAMB

DOOR

TAMPERPROOF
-LATCHING DEVICE-

JAMES DET. FOR DOOR

WINDOW SCREENS FOR FIELD HYDRO STA.

DIMENSIONS

W = 51"	L = 19"
---------	---------

EXPANDED METAL

1 1/2" WIDE FRAME

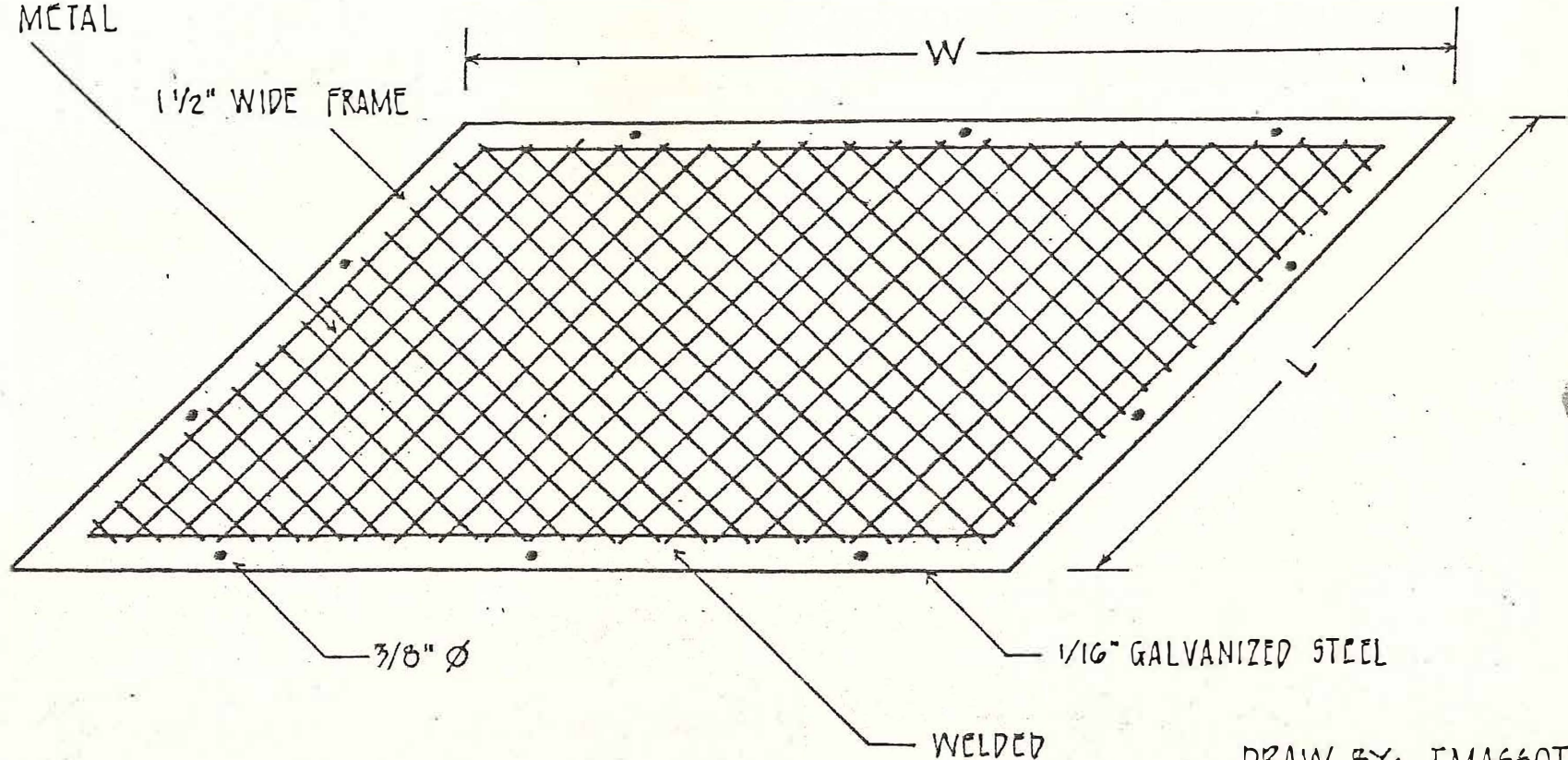
W

3/8" ϕ

1/16" GALVANIZED STEEL

WELDED

DRAW BY: J. MASSOT
DATE: SEPT. 1987



HOJALATERIA PEREZ, S. A.

R. U. C. 393-399-87331

S.: 27-0846

27-1352

PANAMA 1, REP. DE PANAMA

APARTADO 1272

Nº 19984

Panamá, 9 de febrero de 1958

Vendido a

Dirección

Condiciones

Panamá Canal Commission

P.O. Nº 92294 - MM-29 & Engineering Division

Balboa, Rep. of Panamá

EXENTA DE 5%

DETALLE

TOTAL

Por hacer 2 marcos y puertas
de hierro cal. 14 y cal. 16
de 3' x 7' x 4" según diseño enviado,
a P. 235.00.

470.

4 marcos Albr. cal. 16, 51" x 19" con
malla expandida de 1/2" a P. 50.00

208.

678.

Nota: Para pedidos futuros el costo de
marcos y puertas sería P. 310.00 en
vez de P. 235.00.

[Signature]
IP 162447

Impreso
en 11/11/58

BLOKMIGON, S.

R.U.C. No. 287-489-64245

CARRETERA TRANSISTMICA Y PUEBLO NUEVO No. 4325

TELS:

61-0150

61-0151

APTDQ. 4170

ZONA 5

PANAMA

DE

DE 19

VENDIDO A

DIRECCION

ENTREGUESE EN

CREDITO

CANTIDAD	DESCRIPCION	PRECIO UNITARIO	PRECIO TOTAL
	ACARREO	781	23493
300	BLOQUE 8 x 10 CB	7250	21750
	8 x 16		
	LOSAS 8 x 24		23493
	VIGAS 8 x 10		
	RES-STONE 8 x 10		
	ORNAMENTALES		
	I.T.B.M. 5%		
			23493

RECIBIDO POR

ENTREGADO POR

CAMION NO.

No. 172580

No se aceptará devoluciones después de 15 días de la entrega de los materiales. Se descontará 20% en toda devolución.

No se aceptará devolución de material dañado en la obra.

Los timbres fiscales que exige la Ley están adheridos a las copias que reposan en nuestros archivos.

BLOKMIGON S.A.

PANAMA CANAL
FORM NO. 5953
Rev. 12-84

MATERIAL ORDER

QTY. ORDERED	DESCRIPTION	UNIT	STOCK NUMBER		STOREHOUSE ONLY	
			6	13	QUANTITY ISSUED	18
2	TOILET SEAT, OPEN FRONT	EA	686	8390	2	0
	NO COVER	ALFT	655	0200		0
						0
						0
	FOR: MONTE LIRIO CONST.					0
						0
						0

STOREHOUSE USE ONLY							
I/C	LQC.	MO.	DAY	YR.	MATERIAL ORDER NO.	CENTER	JOB ORDER NO.
41	20	23			29	35	44 50
	314	01	22	88	WE 007500	2 8 1 5 4 7 8 4 3	0 1 7 9 0 0 1

AUTHORIZED BY	TITLE	DATE	ORGANIZATION	ISSUED BY	PACK COUNT
<i>[Signature]</i>	01-22-88		ENGINEERING DIVISION	<i>[Signature]</i>	
DELIVER TO	LOCATION	RECEIVED BY	I.P. NUMBER	DATE	
BEARER	BLDG. 105 P. MIGUEL	<i>[Signature]</i>	2203448	JAN 22/88	

ORIGINAL - COMPUTER OPNS. DIV. WHITE - PACKING LIST YELLOW - STOREHOUSE PINK - REQUISITIONER

1-1743

PANAMA CANAL
FORM NO. 5953
Rev. 12-84

MATERIAL ORDER

QTY. ORDERED	DESCRIPTION	UNIT	STOCK NUMBER		STOREHOUSE ONLY	
			6	13	QUANTITY ISSUED	18
2	PLAYWOOD, AA 3/8 X 48 X 96	SMT	1 1 5	3 7 3 0		0
8	PLAYWOOD, AA 3/4 X 48 X 96	SMT	1 1 5	3 4 5 0	8	0
4	LUMBER 2 X 6 X 18	PC.	1 1 2	7 4 2 0	4	0
10	LUMBER 2 X 2 X 12	PC.	1 1 2	7 9 2 2		0
26	LUMBER 2 X 4 X 16	PC.	1 1 2	7 3 9 0	26	0
	FOR: MONTE LIRIO CONST.					0

STOREHOUSE USE ONLY							
I/C	LQC.	MO.	DAY	YR.	MATERIAL ORDER NO.	CENTER	JOB ORDER NO.
41	20	23			29	35	44 50
	320	01	19	88	WE 007576	2 8 1 5 4 7 8 4 3	0 1 7 9 0 0 1

AUTHORIZED BY	TITLE	DATE	ORGANIZATION	ISSUED BY	PACK COUNT
<i>[Signature]</i>	01-19-88		ENGINEERING DIVISION	<i>[Signature]</i>	
DELIVER TO	LOCATION	RECEIVED BY	I.P. NUMBER	DATE	
BEARER	BLDG. 105 P. MIGUEL	<i>[Signature]</i>	2225395		

ORIGINAL - COMPUTER OPNS. DIV. WHITE - PACKING LIST YELLOW - STOREHOUSE PINK - REQUISITIONER

19/1/88

1733 EA
= 29.44
8.989
= 35.956

9.06
= 235.50

PRECIO
VOL 7932
EL 7390
NO APARCE
ENCATALLA

410.96

MATERIAL ORDER

QTY. ORDERED	DESCRIPTION	UNIT	STOREHOUSE ONLY	
			STOCK NUMBER	QUANTITY ISSUED
36	STEEL BAR, SIZE: 3/8"	XLFT	6 6 0 0 2 0 0	46 0
6	STEEL BAR, SIZE: 1/2"	XLFT	6 6 0 0 4 0 0	18 0
9	STEEL BAR, SIZE: 5/8"	XLFT	6 6 0 0 6 0 0	27 0
FOR: MONTE LIRIO CONST.				0
				0
				0
				0

8.84 x 46 = 439.15

2.00 x 18 = 36.00

3.08 x 27 = 83.21

\$158.39

STOREHOUSE USE ONLY							
T/C	LOC.	MO.	DAY	YR.	MATERIAL ORDER NO.	CENTER	JOB ORDER NO.
4	20	23			29	35	44 50
41	314	01	20	88	WE 067577	2 8 1 5 4 7 8 4 3 0 1 7 9 0 0 1	

AUTHORIZED BY	TITLE	DATE	ORGANIZATION	ISSUED BY	PACK COUNT
<i>[Signature]</i>	Purchasing Agent	01-19-88	ENGINEERING DIVISION	<i>[Signature]</i>	
DELIVER TO	LOCATION	RECEIVED BY	I.R. NUMBER	DATE	
BEARER	BLDG. 105	P. MIGUEL	2225395	02/11/88	

ORIGINAL - COMPUTER OPNS. DIV.

WHITE - PACKING LIST

YELLOW - STOREHOUSE

PINK - REQUISITIONER

MATERIAL ORDER

QTY. ORDERED	DESCRIPTION	UNIT	STOREHOUSE ONLY	
			STOCK NUMBER	QUANTITY ISSUED
30	CEMENT PORTLAND	BLG EA	2 8 0 0 2 0 5	30 0
2	PAINT, LATEX, MASONRY, WHITE	5 GALLON CAN, EXTERIOR	0 8 0 5 4 9 0	2 0
FOR: MONTE LIRIO CONST.				0
				0
				0
				0

STOREHOUSE USE ONLY							
T/C	LOC.	MO.	DAY	YR.	MATERIAL ORDER NO.	CENTER	JOB ORDER NO.
4	20	23			29	35	44 50
41	32001	13	88		WE 067559	2 8 1 5 4 7 8 4 3 0 1 7 9 0 0 1	

AUTHORIZED BY	TITLE	DATE	ORGANIZATION	ISSUED BY	PACK COUNT
<i>[Signature]</i>	Purchasing Agent	01-11-88	ENGINEERING DIVISION	<i>[Signature]</i>	30 369
DELIVER TO	LOCATION	RECEIVED BY	I.R. NUMBER	DATE	
BEARER	BLDG. 105	P. MIGUEL	2203418	13/11/88	

ORIGINAL - COMPUTER OPNS. DIV.

WHITE - PACKING LIST

YELLOW - STOREHOUSE

PINK - REQUISITIONER

2,200.07

PANAMA CANAL
FORM NO. 5953
Rev. 12-64

MATERIAL ORDER

			STOREHOUSE ONLY	
QTY. ORDERED	DESCRIPTION	UNIT	STOCK NUMBER	QUANTITY ISSUED
18	STEEL BAR 3/8"	XLFT	6 6 0 0 2 0 0	18 0
9	STEEL BAR 5/8"	XLFT	6 6 0 0 6 0 0	9 0
NOTE: 9XLFT=90' OF STEEL				0
= 3 BARS OF 30'EA				0
FOR: MONTE LIRIO CONST.				0

STOREHOUSE USE ONLY					MATERIAL ORDER NO.		CENTER				JOB ORDER NO.			
T/C	LOC.	MO.	DAY	YR.										
4	20	23			29	35	44				50			
4.1	314	01	13	88	067564	2 8 1 5 4 7 8 4 3	0 1 7 9 0 0 1							

AUTHORIZED BY	TITLE	DATE	ORGANIZATION	ISSUED BY	PACK COUNT
<i>[Signature]</i>	Purchasing Agent	01-11-88	ENGINEERING DIVISION	<i>[Signature]</i>	
DELIVER TO	LOCATION	RECEIVED BY	I.P. NUMBER	DATE	
BEARER	BLDG. 105 P. MIGUEL	<i>[Signature]</i>	2203448	13/JAN	

ORIGINAL - COMPUTER OPNS. DIV.

WHITE - PACKING LIST

YELLOW - STOREHOUSE

PINK - REQUISITIONER

1-1041

\$43.07

FULL CATALOG EFFECTIVE OCT. 14, 1986

CLASS LUMBER - TREATED

STOCK NO.	STK. LOC.	DESCRIPTION	LINE NO.	ISSUE UNIT	ISSUE PRICE	SELLING PRICE	COR. NO.
112 0000		SHALL BE IN ACCORDANCE TO SOUTHERN YELLOW PINE BUREAU GRADING RULES OR EQUAL, SHALL BE PRESSURE TREATED IN ACCORDANCE TO SPEC. PANAMA CANAL COMMISSION NO. 112-257 DTD. OCTOBER 3, 1986. ---DIMENSIONS	06 07 08 09 10	CONTINUED FROM PREV. PG.			5750
112 7920	320	2 X 2 INCHES /LGTH. 8 TO 24 FT. IN MULTIPLES OF 2 FT., AVERAGE SHALL BE 16. FT./	01 02 03	XBFT	10.390	14.86	5750
112 7922	320	2 X 2-INCHES X 12-FEET	01	PC	4.156	5.94	5750
112 7924	320	2 X 2-INCHES X 14-FEET	01	PC	4.847	6.93	5750
112 7926	320	2 X 2-INCHES X 16-FEET	01	PC	5.540	7.92	5750
112 7928	320	2 X 2-INCHES X 18-FEET	01	PC	6.234	8.91	5750
112 7930	320	2 X 4 INCHES /SHALL BE SOLUTION WITH VOLATILE SOLVENT, KILN DRIED ONLY---SURFACE TO BE FREE OF OILS, CLEAN AND PAINTABLE/	01 02 03 04	XBFT	5.293	7.57	5750
112 7932	320	2 X 4-INCHES X 16-FEET	01	PC	9.060	12.96	5750
112 7934	320	2 X 4-INCHES X 18-FEET	01	PC	6.116	8.75	5750
112 7936	320	2 X 4-INCHES X 20-FEET	01	PC	6.795	9.72	5750
112 7938	320	2 X 4-INCHES X 24-FEET	01	PC	8.155	11.66	5750
112 7950	320	4 X 4 INCHES /SHALL BE SOLUTION WITH LIGHT PETROLEUM SOLVENT, AIR OR KILN DRIED---SURFACE TO BE FREE OF OILS, CLEAN AND PAINTABLE/	01 02 03 04	XBFT	5.293	7.57	5750

CLASS

LUMBER - TREATED

"I"

FULL CATALOG EFFECTIVE OCT. 14, 1986

STOCK NO.	STK. LOC.	DESCRIPTION	LINE NO.	ISSUE UNIT	ISSUE PRICE	SELLING PRICE
112 7410	320	2 X 6 INCHES, /SHALL BE SOLUTION WITH VOLATILE SOLVENT KILN DRIED ONLY---SURFACE TO BE FREE OF OILS, CLEAN AND PAINTABLE/	01 02 03 04	XBFT	4.994	7.14
112 7415	320	2 X 6-INCHES X 16-FEET	01	PC	13.600	19.45
112 7420	320	2 X 6-INCHES X 18-FEET	01	PC	8.989	12.85
112 7425	320	2 X 6-INCHES X 20-FEET	01	PC	9.988	14.28
112 7428	320	2 X 6-INCHES X 24-FEET	01	PC	11.985	17.14
112 7430	320	2 X 8 INCHES /SHALL BE SOLUTION WITH VOLATILE SOLVENT, KILN DRIED ONLY---SURFACE TO BE FREE OF OILS, CLEAN AND PAINTABLE/	01 02 03 04	XBFT	4.994	7.14
112 7435	320	2 X 8-INCHES X 16-FEET	01	PC	18.130	25.93
112 7438	320	2 X 8-INCHES X 18-FEET	01	PC	11.985	17.14
112 7440	320	2 X 8-INCHES X 20-FEET	01	PC	13.317	19.04
112 7442	320	2 X 8-INCHES X 24-FEET	01	PC	15.980	22.85
112 7450	320	2 X 10 INCHES /SHALL BE SOLUTION WITH VOLATILE SOLVENT, KILN DRIED ONLY---SURFACE TO BE FREE OF OILS, CLEAN AND PAINTABLE/	01 02 03 04	XBFT	10.410	14.89
112 7452	320	2 X 10-INCHES X 16-FEET	01	PC	22.670	32.42

CLASS PLYWOOD, MOULDING, COUNTERTOPS "I" FULL CATALOG EFFECTIVE OCT 14, 1986

STOCK NO.	STX. LOC.	DESCRIPTION	LINE NO.	ISSUE UNIT	ISSUE PRICE	SELLING PRICE	COR. NO.
115 3710	320	3-PLY, 1/4 X 48 X 144-INCHES	01	SHT	20.260	28.97	2550 5
115 3730	320	5-PLY, 3/8 X 48 X 96-INCHES	01	SHT	24.000	34.32	2550
115 3770	320	5-PLY, 1/2 X 48 X 96-INCHES	01	SHT	28.130	40.23	2550 5
115 3810	320	5-PLY, 5/8 X 48 X 96-INCHES	01	SHT	72.000	102.96	2550 5
115 3850	320	7-PLY, 3/4 X 48 X 96-INCHES	01	SHT	39.800	56.91	2550 5
115 0000		PLYWOOD, MAHOGANY, EXTERIOR TYPE, WATERPROOF GRADE A-C SOUND FACE-EXTERIOR BACK, SPEC. MUST BE MANUFACTURED BY THE HOT PRESS METHOD AND SHALL BE MADE WITH PHENOLIC RESIN ADHESIVES, PLYWOOD MADE WITH UREA RESIN ADHESIVES WILL NOT BE ACCEPTABLE, CROSSBANDS MAY BE OF MAHOGANY, MARIA, CEDRO AMARGO, ESPAVE, CATIVO, CABINA OR COMPARABLE TROPICAL HARDWOODS, SHALL BE GRADE AS DETAILED IN U.S. DEPARTMENT OF COMMERCIAL STANDARD	01 02 03 04 05 06 07 08 09				2650
115 4050	320	7-PLY, 3/4 X 48 X 96-INCHES	01	SHT	42.950	61.42	2650 5
115 0000		WALLBOARD, GYPSUM, AND ACCESSORIES	01				3200
115 4520	320	CORNER REINFORCEMENT, STEEL, GALVANIZED, 1/8 X 1-1/4 X 1-1/4 INCHES, U.S. GYPSUM CO., THEIR DUR-A-BEAD NO. 103, OR EQUAL	01 02 03	LGTH	.860	1.23	3200 50
115 4530	320	JOINT COMPOUND, ALL PURPOSE, PREMIXED PASTE, SPEC. FED. SS-J-570 /LATEST ISSUE/	01 02	PAIL	7.100	10.15	3200 50
115 4540	320	PANEL, WALLBOARD, FIRE-RETARDANT CORE, PLAIN FACE, PLAIN BACK, TAPERED EDGE, 1/2 IN. X 4 FT. X 10 FT. SPEC. FED. SS-L-30 /LATEST ISSUE/	01 02 03	SHT	7.060	10.10	3200
115 4550	320	TAPE, REINFORCING, PERFORATED, 500-FT. ROLL, SPEC. FED. SS-J-570 /LATEST ISSUE/	01 02	ROLL	1.900	2.72	3200 50

CLASS		PLYWOOD, MOULDING, COUNTERTOPS		FULL CATALOG EFFECTIVE OCT 14, 1986				
STOCK NO.	STK. LOC.	DESCRIPTION		LINE NO.	ISSUE UNIT	ISSUE PRICE	SELLING PRICE	CON. NO.
115 0000		PAPERBOARD, UPSON WALLBOARD, SIZE INCHES		01 02				1750
115 2470	320	3/16 X 48 X 120		01	SHT	8.850	12.66	1750
115 0000		PEGBOARD, PERFORATED, SIZE		01 02				1800
115 2520	361	1/4 X 48 X 96		01	SHT	6.190	8.85	1800
115 0000		PILE, SOUTHERN YELLOW PINE OR DOUGLAS FIR, MARINE, FRICTION TYPE /ALSO GENERAL CONSTRUCTION/, MINIMUM BUTT CIRCUMFERENCE--41 IN., MIN. TIP CIRC.--16 IN. LENGTH SHALL BE CLEARLY MARKED ON BUTT END, SPEC. ASTM D-25, CREOSOTE PRESSURE-TREATED WITH COAL TAR CREOSOTE FOR MINIMUM NET RETENTION OF 20 POUNDS PER CUBIC FOOT BY ASSAY /IN AREAS WHERE TEREDO ARE PRESENT WITH NO LIMNOCRIA ACTIVITY/ IN ACCORDANCE WITH FED. SPEC. TT-W-571J, TABLE II, --LENGTH FEET --		01 02 03 04 05 06 07 08 09 10				1850
115 2630	320	55		01	EA	237.000	338.91	1850
115 2650	320	60		01	EA	267.000	381.81	1850
115 2670	320	65		01	EA	312.000	446.16	1850
115 2690	320	70		01	EA	370.000	529.10	1850
115 2710	320	75		01	EA	424.000	608.32	1850
115 0000		***PLYWOOD, DOUGLAS FIR, INTERIOR TYPE, GRADE AB SANDED BOTH SIDES, SOUND FACE, SOLID BACK, SPEC. FED. NN-P-530 /LATEST ISSUE/, ALL BUNDLES SHALL BE PROTECTED BOTH SIDES WITH PLYWOOD WASTER SHEETS		01 02 03 04 05				2350

CLASS PLYWOOD, MOULDING, COUNTERTOPS

FULL CATALOG EFFECTIVE OCT 14, 1986

STOCK NO.	STE. LOC.	DESCRIPTION	LINE NO.	ISSUE DATE	ISSUE PRICE	SELLING PR
115 3370	320	3-PLY, 1/4 X 48 X 96-INCHES	01	SHT	10.033	14.3
115 3410	320	5-PLY, 1/2 X 48 X 96-INCHES	01	SHT	13.233	18.9
115 3450	320	5-PLY, 3/4 X 48 X 96-INCHES	01	SHT	17.730	25.3
115 0000		PLYWOOD, DOUGLAS FIR, EXTERIOR TYPE, GRADE AC, SOUND FACE, BACK--SOLID 1-1/2 IN. KNOTS, MAXIMUM 1-1/2 IN. KNOTHOLES--, TO BE IN ACCORDANCE WITH CURRENT U.S. PRODUCT STANDARD PS-1 AND SPEC. FED. NN-P-530 /LATEST ISSUE/ AS APPLICABLE, ALL BUNDLES SHALL BE PROTECTED /BOTH SIDES/ WITH PLYWOOD MASTER SHEETS	01 02 03 04 05 06 07			
115 3550	320	3-PLY, 1/4 X 48 X 96-INCHES	01	SHT	7.792	11.1
115 3555	320	3-PLY, 3/8 X 48 X 96 INCHES	01	SHT	10.080	14.4
115 3560	320	5-PLY, 1/2 X 48 X 96-INCHES	01	SHT	11.167	15.9
115 3575	320	5-PLY, 3/4 X 48 X 96-INCHES	01	SHT	15.175	21.70
115 3590	320	7-PLY, 1 X 60 X 120-INCHES	01	SHT	57.400	82.08
115 0000		PLYWOOD, DOUGLAS FIR, FLAT PANEL, BOAT AND SHIP CONSTRUCTION, GRADE-AA SANDED 2-SIDES, CLASS-1, UNTREATED, SPEC. MIL-P-18066B, /NOTE-THE HEARTWOOD REQUIREMENT APPLIES/, ALL BUNDLES SHALL BE PROTECTED BOTH SIDES WITH PLYWOOD MASTER SHEETS.	01 02 03 04 05 06			
115 3690	320	3-PLY, 1/4 X 48 X 96-INCHES	01	SHT	21.200	30.32

CLASS REINFORCING STEEL

1980 CATALOG EFFECTIVE OCT 14, 1980

STOCK NO	STK LOC.	DESCRIPTION	LINE NO.	ISSUE UNIT	ISSUE PRICE	SELLING P
660 0000		STEEL BAR, REINFORCING/FOR CONCRETE/, ROUND, D FORMED, CLASS B-40 BILLET STEEL, LENGTH 30-Feet, SPEC. FED. QQ-S-632/LATEST ISSUE/, TYPE II, DIAMETER-INCHES	01 02 03 04			
660 0200	361	3/8	01	XLFT	.851	1.
660 0400	361	1/2-INCH	01	XLFT	2.000	2.
660 0600	361	5/8	01	XLFT	3.083	4.
660 0800	361	3/4	01	XLFT	2.460	3.
660 1000	361	7/8	01	XLFT	5.920	8.
660 1200	361	1	01	XLFT	4.240	6.
660 0000		STEEL BAR, RE-INFORCING /FOR CONCRETE/, DEFORMED, SPEC. FED. QQ-S-632C, TYPE II /DEFORMED, CLASS B-60 BILLET STEEL, SHALL CONFORM TO THE REQUIREMENTS OF ASTM A615, OR CLASS C-60 CAR AXLE STEEL PER REQUIREMENTS OF ASTM A617, ALSO SHALL CONFORM TO THE BEND TEST REQUIREMENTS AS PER ASTM A615 AND A617, LENGTH 30 FEET, -- BAR -- DIAMETER -- CROSS SECTION -- NOMINAL -- DESIGNATION SIZE AREA UNIT WT. -- NUMBER INCHES SQ. IN. LB./FT.	01 02 03 04 05 06 07 08 09 10			
660 1320	314	6 0.755 0.44 1.502	01	LGTH	7.773	11.
660 1324	314	7 0.875 0.60 2.044	01	LGTH	9.860	14.
660 1328	314	8 1.000 0.79 2.670	01	LGTH	13.180	18.

Jaime:

As usual I'm overwhelmed at your excellent and complete work. This document now has great usefulness for our future operations. Please keep it in a safe place and give me a copy.

I especially like your use of graphics. It really is great

A couple of comments. Why didn't you cut the map and put it right at the start?

A few catalog pages are bound the wrong way.

Table of contents and page numbers?

Really an excellent job
Congratulations!

Joe B

P.S.

why can't I get others to do this type of work.

Monte Ciro Report
MAR 1968